[redacted]

CCB/G-01/2025-26, dt: 30/6/2025

GeM

Sanction Order

Sanction No: 511687721756646
Sanction Date: 13-Jun-2025

Sanction of the competent aut ority is hereby conveyed for incurring an expenditure of amount as under towards the cost of Purchase order/Contract placed on the Seller for Supply of Goods/Services a per the contract for making payment to the Seller subject to deduction of TDS as applicable:

Organisation Details		**Buyer Details**	STOPRO-CCB/2-2025/4103
Type:	Central Autonc ous	Name:	Harendra Dey
Ministry:	Ministry of Hea h and Family Welfare	Designation:	Stores and Procurment Officer
Department:	Department of ealth and Family Welfare	Email ID:	harendra.dey@nic.in
Organisation Name:	North Eastern dira Gandhi Regional Institute of Health and Medical Sciences (NEIG IHMS)	GSTIN:	N
Office Name:	Neigrihms, Shi ong	Address:	P.O. NEIGRIHMS, Mawdiangdiang, Shillong KHASI HILLS EAST MEGHALAYA - 793018

Financial Approval Detail C-770/2025-26, dt: 19/5/2025

Designation of official providin Administration approval:	Director- agenda no. 23/EC-7 dt. 21st March 2025. ,file no STOPRO-CCB/2/2025-Stores,Compulsory KHADC trading license as per tender conditions at NEIGRIHMS Shillong .Delivery period as per site readiness
IFD Concurrence / Competent Authority (HOD / Head of Office Approval Required?	YES
Budget availablity	YES
Designation of official providin Financial approval:	DDA & DFA C- 770/25-26 Dt. 19.5.2025 - (Equipments) GIA- Asset,Triparted Agreement for provision of service as per T&C with OEM to be submitted within 21days
Designation Function/Budget F ad of Account:	NA
IFD/Competent Authority Diary Jo:	c770
IFD/Competent Authority Diary Date:	2025-05-19
Financial Year:	NA
DDO:	NA
PD Code:	NA
Grant No:	NA

Reviewed for readiness & further action

Seller Details

Company Name:	MEDEX INDIA PRIVATE LIMITED
Email ID:	medexindia@gmail.com
Address:	MEDEX INDIA PRIVATE LIMITED New Delhi DELHI - 110020

Product Details

#	Item Description	Model	Ordered Quantity	Unit	Price per Unit inclusive of all Duties and Taxes (in INR)	Total Price (inclusive of all Duties and Taxes (in INR))
1	CRITICAL CARE BLOCK EQU PMENTS ON COMPLETE TURNKEY BASIS	CRITICAL CARE BLOCK EQUIPMENTS	1	set	199800000.0	199800000.0
Total Order Value (in INR)						199800000.0

Consignee Details

S.No	Consignee	Item	Lot No.	Quantity	Delivery Start After	Delivery To Be Completed By
1	Khrawkupar Jithod Kati i con18.neigrihms.ml@g mbuyer.in P.O. NEIGRIHMS, Mawc angdiang, Shillong KHASI HILLS EAST MEGHALAYA - 793018	CRITICAL CARE BLOCK EQUIPMENTS ON COMPLETE TURNKEY BASIS	-	1	13-Jun-2025	10-Dec-2025

Terms & Conditions

- 1. This issues under the ower delegated to Ministries/Department of the Government of India/organization/state vide Annexure to schedule V of the Delegation of Financial Power Rules, 1 78 as amended from time to time or as per applicable delegation of financial power rules as approved and amended time to time by the competent authority of t e buyer organization.

Note: This is system generated file. No signature is required. Print out of this document is not valid for payment/ transaction purpose.

① Prof N Nongrhiah ② Dr H G Lyngdoh
② Prof Himanal Barua ② Dr V Nongpiur
③ Dr Vibha Tapley / DMS / MS / Dr BME
② ASO - Mr Mawlong / 27 Cell for approval
③ DDAH / FA / AO / 27 Cell 13/6/25

CCB/F-01/2025-26, dt: 30/6/2025

अनुबंध | Contract

अनुबंध क्रमांक | Contract No: GEMC-511687721756646

अनुबंध तिथि | Generated Date : 13-Jun-2025

बोली/आरए/पीबीपी संख्या | Bid/RA/PBP No.: GEM/2024/B/4757970

संगठन विवरण | Organisation Details

प्ररूप | Type :	Central Autonomous
मंत्रालय | Ministry :	Ministry of Health and Family Welfare
विभाग | Department :	Department of Health and Family Welfare
संगठन का नाम | Organisation Name :	North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences (NEIGRIHMS)
कार्यालय क्षेत्र | Office Zone :	Neigrihms, Shillong

खरीदार विवरण | Buyer Details

STOPRO-CCB/2-2025/4103

पद | Designation :	Stores and Procurment Officer
संपर्क नंबर | Contact No :	0364-2539032-213
ईमेल आईडी | Email ID :	harendra.dey@nic.in
जीएसटीआईएन | GSTIN :	N
पता | Address :	P.O. NEIGRIHMS, Mawdiangdiang, Shillong, KHASI HILLS EAST, MEGHALAYA-793018, India

वित्तीय स्वीकृति विवरण | Financial Approval Detail

आईएफडी सहमति | IFD Concurrence :	Yes
प्रशासनिक अनुमोदन का पदनाम | Designation of Administrative Approval:	Direc /2/20 tions	or- agenda no. 23/EC-7 dt. 21st March 2025. ,file no STOPRO-CCB 5-Stores,Compulsory KHADC trading license as per tender condi t NEIGRIHMS Shillong .Delivery period as per site readiness
वित्तीय अनुमोदन का पदनाम | Designation of Financial Approval :	DDA rted . bmitt	DFA C- 770/25-26 Dt. 19.5.2025 - (Equipments) GIA- Asset,Tripa greement for provision of service as per T&C with OEM to be su d within 21days

भुगतान प्राधिकरण विवरण | Paying Authority Details

Role:	PAO
भुगतान का तरीका | Payment Mode:	Offline
पद | Designation :	Thwet Star Syngkon
ईमेल आईडी | Email ID :	thwet.syngkon@neigrihms.gov.in
जीएसटीआईएन | GSTIN :	-
पता | Address:	P.O. NEIGRIHMS, Mawdiangdiang, Shillong, KHASI HILLS EAST, MEGHALAYA-793018, India

C-770/2025-26, dt: 19/5/2025

विक्रेता विवरण | Seller Details

जेम विक्रेता आईडी | GeM Seller ID :		156D180000097644
कंपनी का नाम | Company Name :		MEDEX INDIA PRIVATE LIMITED
संपर्क नंबर | Contact No.		09811145565
ईमेल आईडी | Email ID :		medexindia@gmail.com
पता | Address :		S-63, GROUND FLOOR AND PART BASEMENT,OKHLA INDUSTRIAL AREA,PHASE-II,OKHLA, New Delhi, DELHI-110020, -
एमएसएमई पंजीकरण संख्या | MSME Registration number :		-
जीएसटीआईएन | GSTIN:		07AAACM9017E1ZP (B) , 21AAACM9017E1ZZ (B) , 18AAACM9017E1ZM (B) , 07AAACM9017E1ZP (B) , (R)
खरीदार द्वारा मूल्यांकित एमआई स्थिति | MII Status as evaluated by buyer :		Not Verified
खरीदार द्वारा सत्यापित एमएसमई स्थिति | MSME Status as verified by buyer :		Not Verified

*जिसके नाम के पक्ष में GST/TAX इनवॉइस पेश किया जाएगा | GST / Tax invoice to be raised in the name of - Buyer

वितरण निर्देश | Delivery Instructions : SITC of equipment listed in the order with detail certification & test reports

उत्पाद विवरण | Product Details

#	आइटम विवरण | Item Description	आइटम विवरण | Ordered Quantity	इकाई Unit	इकाई मूल्य (INR) | Unit Price (INR)	कर विभाजन (INR) | Tax Bifurcation (INR)	मूल्य (INR में सभी शुल्क और कर सहित) | Price (Inclusive of all Duties and Taxes in INR)
1	उत्पाद का नाम | Product Name : CRITICAL CARE BLOCK EQUIPMENTS ON COMPLETE TURNKEY BASIS ब्रांड | Brand : BPL ALL NGERS HAMILTON AND OTHERS ब्रांड प्रकार | Brand Type : NA कैटलॉग की स्थिति | Catalogue Status: NA कैसे बेचा जा रहा है | Selling As : NA श्रेणी का नाम और चतुर्थांश | Category Name & Quadrant : NA (-) मॉडल | Model: CRITIC. CARE BLOCK EQUIPMENTS एचएसएन कोड | HSN Code : HSN not specified by seller	1	set	199,800,000	NA	199,800,000
कुल ऑर्डर मूल्य | Total Order Value (in INR)						199,800,000

परेषिती विवरण | Consignee Detail

क्र.सं.|S.No	परेषिती|Consignee	वस्तु|Item	लॉट नंबर|Lot No.	मात्रा|Quantity	दिनांक के बाद डिलीवरी शुरू करना है|Delivery Start After	वितरण पूरा कब तक करना है|Delivery To Be Completed By
1	पद| Des gnation :- ईमेल आई '|Email ID : con18.neigrihms.ml@gembuyer.in संपर्क|Co itact : 0364-2538044- जीएसटीआ ि[न|GSTIN : - पता|Add ess : P.O. NEIGRIHMS, Mawdiangdiang, Shillong, KHASI H LLS EAST, MEGHALAYA-793018, India	CRITICAL CARE BLOCK EQUIPMENTS ON COMPLETE TURNKEY BASIS	-	1	13-Jun-2025	10-Dec-2025

Product Specifica ion for CRITICAL CARE BLOCK EQUIPMENTS ON COMPLETE TURNKEY BASIS

विनिर्देश|Specificatio	उप-विनिर्देश|Sub-Spec	मूल्य|Value
Custom Specification	Custom Specification	Yes

व्यापक रखरखाव के लि ए शुल्क\|Comprehensive maintenance charges for CRITICAL CARE BLOCK EQUIPMENTS ON COMPLETE TURNKEY BASIS

	सेवा वर्ष|Service Year	सीएमसी प्रतिशत|CMC Percentage	कर द्विभाजन|Tax Bifurcation
CMC charges for 1 st y	r after warranty period in % of cost of equipment	4.75%	NA
CMC charges for 2 nd y	ar after warranty period in % of cost of equipment	4.75%	
CMC charges for 3 rd y	ır after warranty period in % of cost of equipment	4.75%	
CMC charges for 4 th y	ır after warranty period in % of cost of equipment	4.75%	
CMC charges for 5 th y	ır after warranty period in % of cost of equipment	4.75%	

विक्रेता विशिष्टता दस्ता ज़\|Seller Specification Document:

1. SpecificationDocume t1	mkp.gem.gov.in/catalog_data/catalog_support_document/24/73/647/CatalogAttrs/SpecificationDocument/2024/6/21/2024_06_21_15_46_05_ccb_specifications_2024-06-21-15-46-07_3ff0e9bf4890b4e0d9738ab25683d81a.pdf

खरीदार विशिष्टता दस्ता ज़\|Buyer Specification Document:

1. SpecificationDocume :	mkp.gem.gov.in/catalog_data/catalog_support_document/buyer_documents/52738/54/78/703/CatalogAttrs/SpecificationDocument/2024/3/8/ccb-equipment-pdf_2024-03-08-10-58-27_014d6a024eaf92b76bb703e1d4ac0a8a.pdf

शुद्धिपत्र\|Corrigendum

1. GeM-Bidding-Corr- 97198-1.pdf :यहां क्लिक करें\|click here
2. GeM-Bidding-Corr- 97198-2.pdf :यहां क्लिक करें\|click here
3. तक बढ़ाया गया\|Extenc d Upto : 2024-04-08 14:00:00
4. तक बढ़ाया गया\|Extenc d Upto : 2024-04-19 14:00:00
5. तक बढ़ाया गया\|Extenc d Upto : 2024-04-30 14:00:00
6. तक बढ़ाया गया\|Extenc d Upto : 2024-05-06 14:00:00
7. तक बढ़ाया गया\|Extenc d Upto : 2024-05-10 14:00:00
8. तक बढ़ाया गया\|Extenc d Upto : 2024-05-24 14:00:00
9. तक बढ़ाया गया\|Extenc d Upto : 2024-06-07 14:00:00
10. तक बढ़ाया गया\|Extenc d Upto : 2024-07-04 14:00:00
11. GeM-Bidding-Corr- 97198-19.pdf :यहां क्लिक करें\|click here

सीएमसी के लिए अतिरि त खंड\|Additional Clauses for CMC

1.CMC shall include pr entive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, after satisfactory completion of Warrant During the CMC period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the n nufacturer's technical/ service /operational manual, at least once in six months or as per user requirement. Cost of consumables shall not be included in CMC.Further there will e 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
2.CMC charges to be in cated as percentage of cost of equipment quoted for each year after the warranty period.
3.GST shall be includec n the CMC Charges quoted.
4.Cost of CMC will be a ded for Ranking/Evaluation purpose with depreciation formula.A 10% discounting rate per year shall be applied on CMC Charges for price evaluation on Net Present Value.
5.The payment of CMC ill be made on quarterly basis after satisfactory completion of said period, duly certified by end user.
6.While creating a bid c RA, buyers shall indicate whether CMC is required against Yes/No" options. If CMC Charges are included, an option for number of years for CMC required after the warranty peri l shall be available.Under this option up to 10 years can be chosen for CMC charges beyond warranty period.
7.In case the bid has a ovision for CMC, the warranty of the product will also be deemed to have been converted into Comprehensive warranty including preventive maintenance and calib tion as per technical/ service /operational manual of the manufacturer, service charges and spares, during the Warranty Period also. Sellers are therefore advised to include the c st of Comprehensive Warranty including spares (excluding consumables) also in product Cost.
8.The CMC functionality shall be available in bid only and no direct RA shall be applicable.In case of bid to R/A decrement rules shall be applicable on total price inclusive of CMC charges. Bunching of p ducts shall not be available while creating bids with CMC charges.

8.1.Buyer sha indicate number of years of warranty by selecting different options available in the field depending on warranty parameter applicable in category

parameters or the equipment. No. of years of warranty indicated here shall supersede,the warranty period indicated elsewhere in bid or product specifications. The Seller while articipating in Bid/RA will get fields to indicate CMC charges as percentage depending on number of years of CMC selected by Buyer. The following shall be applicable, 5 year CMC selected:

C C charges for 1st year after warranty period– Percentage to be indicated- A1

C C charges for 2nd year after warranty period– Percentage to be indicated- A2

C C charges for 3rd year after warranty period – Percentage to be indicated- A3

C C charges for 4th year after warranty period – Percentage to be indicated- A4

C C charges for 5th year after warranty period – Percentage to be indicated- A5

Similarly, A to A10 are to be indicated for 6th to 10th year of CMC if applicable.

8.2.The cal lation of CMC Charges shall take into account the number of years of warranty and duration of CMC as specified while creating bid.

8.3.In the p ce evaluation, the system shall provide function to calculate the cost of each equipment by formula indicated below includingCMC and then show the inter-se-ranking f the bidders. The following are the variables

(i Number of years for which CMC required.

(i Number of years of product warranty

The formu for calculating total cost including CMC charges shall be as under:

Total Cost r evaluation=

C+C*{(A1/ 0)/(1.10^n)+(A2/100)/(1.10^n+1)+(A3/100)/(1.10^n+2)+(A4/100)/(1.10^n+3)+(A5/100)/(1.10^n+4)} and so on

C – Cost fe equipment quoted and n shall be number of years of product warranty specified.

If 2 year w ranty specified, n shall be2 and if 5 year warranty specified, n shall be 5. A1,A2, A3, A4& A5shall depend on how many years CMC selected. For3 yearCMC, only A1,A2 nd A3 factors are to be taken into account and A4 and A5 will not be applicable.

8.4.CMC cl rges offered for each subsequent year should be same or higher than preceding year.

8.5.The CM . charges shall be offered within range of 3 to 10% of cost of equipment.

9.Since CMC charge are to be paid only later for each year during CMC period,applicable performance guarantee amount after placement of contract shall be based on the cost of equipment exclu ng the cost of CMC Charges.

10.Performance bar guarantee applicable for CMC is to be submitted at start of the CMC and shall be applicable between 2.5% to 10% as specified in bid on total CMC Charges.The PBG su mitted after award of contract shall be released only after new PBG for the CMC period is submitted and accepted by buyer/consignee after due verification.Bank gu antee for CMC is to remain valid till completion of CMC period plus one year. The bank guarantee for CMC shall be submitted to buyer directly. In case, seller fails to submit he PBG or does not provide services for the CMC contract after expiry of warranty period then PBG of equipment shall be forfeited.

11.In case of splittin of order quantity, equipment cost and CMC charges offered by L1 bidder shall be matched by higher quoting eligible bidders on one-to-one basis.The equipment cost and MC charges (year to year) shall be matched individually.

12.The CMC Contrac shall be an offline contract to be handled by buyer.The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end use and scope of CMC will be as per para 1 above.

मूल्य द्विभाजन एक ल फ़ाइल विवरण | Price Bifurcation Excel File details: Financial documents

ईपीबीजी विवरण | ePBG Detail

सलाहकार बैंक | Advisor	Bank :	Bank Of Baroda
ईपीबीजी प्रतिशत (%) | ef	G Percentage(%):	3.00
बोली लगाने वाले को बोली ह	नियमों और शर्तों के अनुसार लागू ईपीबीजी प्रस्तुत करना होगा | The bidder shall furnish ePBG as applicable as per bid's terms and conditions	

नियम और शर्तें | Ter ıs and Conditions

1. General Terms . ıd Conditions-

1.1 This contract is verned by the General Terms and Conditions, conditions stipulated to this Product/Service as provided in the Marketplace.

1.2 This Contract be veen the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and Conditions (GTC unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applica le

1.3 All GeM Sellers / ervice Providers are mandated to ensure compliance with all the applicable laws / acts / rules including but not limited to all Labour Laws such as The Minimum Wage Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972 etc. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.

2. Buyer Added Bi Specific Terms and Conditions-

2.1 Experience Cert cate for the supply of the same to any Govt/ PSU/ any renowned private organisation along with Supply/ Purchase Order.

2.2 *Generic*

Bidders shall quote nly those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 7 years residual market life i.e. the offered product shall not b declared end-of-life by the OEM before this period.

2.3 *Generic*

End User Certificate Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.

2.4 *Generic*

Data Sheet of the p duct(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of a y unexplained mismatch of technical parameters, the bid is liable for rejection.

2.5 *Generic*

Experience Criteria: he Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt rganization / PSU for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during eac of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

2.6 *Generic*

Installation, Comm ioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM

authorised Reseller.

2.7 *Generic*

Manufacturer Author ation:Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, esignation, address, e-mail Id and Phone No. required to be furnished along with the bid

2.8 *Generic*

Scope of supply inclu s Training: Number of employees to be trained

15

, Place for Training

NEIGRIHMS

and Duration of traini g

7

days.

2.9 *Generic*

Without prejudice to i iyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to ie Seller, if:

i) The Seller fails to co iply with any material term of the Contract.

ii) The Seller informs I iyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.

iii) The Seller fails to d iver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.

iv) The Seller become: bankrupt or goes into liquidation.

v) The Seller makes a neral assignment for the benefit of creditors.

vi) A receiver is appoi ed for any substantial property owned by the Seller.

vii) The Seller has misi presented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

2.10 *Generic*

The successful bidder as to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry p ctice, following accessories must be part of supply and cost should be included in bid price

SITC for 150 bedded C G Setup at NEIGRIHMS with system related turnkey wroks

.

2.11 *Scope of Supply:*

Scope of supply (Bid p ce to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

2.12 *Turnover:*

Bidder Turn Over Crite a: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the l d document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indica ng the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average t rnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

2.13 *Purchase Prefere e (Centre):*

Purchase preference t Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 da d 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail th Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Proc ement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence n this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% c margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentag of 25% of total value.

2.14 *Purchase Preferei e (Centre):*

Procurement under thi bid is reserved for purchase from Micro and Small Enterprises whose credentials are validated online through Udyog Aadhaar/URC for that product/service catego . If the bidder wants to avail the reservation benefit, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded fr m the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Releva documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service.

2.15 *Service & Support*

Escalation Matrix For S vice Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

2.16 *Certificates:*

Bidder's offer is liable t be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

2.17 *Certificates:*

Material Test Certificat should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

2.18 *Certificates:*

The bidder is required t upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specificatic given in the bid document.

2.19 *Certificates:*

To be eligible for award f contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid):

BIS/CDSCO/UL/ WHO-G P

.

2.20 *Warranty:*

Warranty period of the pplied products shall be 5 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of upply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectificat n of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and M. ntenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

2.21 *Warranty:*

Successful bidder will h e to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in

a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

2.22 *Warranty*:
Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / rectification within 3 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imberse the cost of such service / rectification to the Buyer.

2.23 *Past Project Experience*:
Proof for Past Experience and Project Experience clause: For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.b. Execution certificate by client with contract value.c. Any other document in support of contract execution like Third Party Inspection release note, etc.Proof for Past Experience and Project Experience clause: Following documents may be considered as valid proof for meeting the experience criteria:a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.b. Execution certificate by client with contract value.c. Any other document in support of contract execution like Third Party Inspection release note, etc.

2.24 *Forms of EMD and PBG*:
Successful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (besides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in the name of

NEIGRIHMS EMD SECURITY DEPOSITS
A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of Security Deposit, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days of award of contract.

2.25 *Forms of EMD and PBG*:
Bidders can also submit the EMD with Fixed Deposit Receipt made out or pledged in the name of A/C

. The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of EMD, the FDR will be released in the favour of the bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Bidder has to upload scanned copy/ proof of the FDR along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date/ Bid Opening date

2.26 *Forms of EMD and PBG*:
Bidders can also submit the EMD with Account Payee Demand Draft in favour of

NEIGRIHMS EMD SECURITY DEPOSITS
payable at
shillong
.
Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

2.27 *Forms of EMD and PBG*:
Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name

NEIGRIHMS EMD SECURITY DEPOSITS
Account No.
30270200000027
IFSC Code
BARB0MAWDIA
Bank Name
BANK OF BARODA
Branch address
MAWDIANGDIANG, SHILLONG-793018, MEGHALAYA
.
Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.

2.28 *Buyer Added Bid Specific ATC*:
Buyer Added text based ATC clauses

File no:- NEIGR/S&P. CB-11/2023-24

Approved in 42nd SC and 69th Procurement Committee Agenda C-4/69

Scope of work & Document details		
A	Following mandatory documents must be attached in the bid document as specified, failing which bid will be treated as" non-responsive"	
1	Cost of spare , consumables and accessories not covered under warranty and CMC period shall be offered as percentage value of the system/Unit in the Technical Bid Additional Doc1 (Requested in ATC)"	
2	Documents with regard to Details compliance statement to be attached At "Additional Doc 2(Requested in ATC)"	
	Documents with regard to Original Literature, Product catalogue ,Technical datasheet from the firm/O.E.M with Highlighting as per the technical specification must attach At "Additional Doc 3(Requested in ATC)"	

3	
4	Documents vith regard to list of Offering/Quoted Items mentioning make, model & qu ntity of each Items must be "Additional Doc 4(Requested in A TC)"
5	Component vise pricing of all equipment/turnkey/electrical/accessories etc , must be su mitted in the "Financial Document" .*Not in technical Bid* Any Detail rice bid/Component wise pricing should not be attached in th e technical id ,failing which bid will be consider as "Techno Commercially Non Respo ilve "
B	**Warranty a d Maintenance**
1	**Warranty f r 5 years followed by CMC for 5 years including Spares & ser vice for all he items supplied** **in this par cular tender including third-party items and turnkey works .**
2	**Mandatory PMs / Year with unlimited breakdown calls has to be attende d by the** **Bidder/ma ufacturer throughout the warranty & CMC period at site.i.e. NE IGRIHMS, SHILLONG.**
3	**Duly signe Mandatory PM reports has to be submitted periodically, falling whi n necessary action** **will be init ited as per term& condition of the tender.**
3	**E-bidder h re to adhere to Government of India, Ministry of Finance, PPD division Pu lic procurement order OM F.No.6/18/2019-PPD dated 23rd July, 2020 inser ng Rule 144(XI)In GFR 2017 ,No 1 dated: 23/7/2020 and subseq uent Orde No 2 & 3 or as amended from time to time , failing which the b ids shall b treated as non-responsive.**

B.Buyer Ad ed Bid Specific Terms and Conditions

1. Generi

End U er Certificate: Wherever Bidders are insisting for End User Certificate from the Buye r, sam e shall be provided in Buyer's standard format only.

2. Generi

Exper ence Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regul rly, manufactured and supplied same or similar Category Products to any Central / S tate G ovt Organization / PSU / Public Listed Company for 3 years before the bid opening da te. Co ies of relevant contracts to be submitted along with bid in support of having suppli ed so ie quantity during each of the year. In case of bunch bids, the primary product havin g high est value should meet this criterion.

3. Gener

IT equ pment shall be IPv6 ready from day one.

4. Gener

Instal ation, Commissioning, Testing, Configuration, Training (As applicable as per scope o f supp ly) is to be carried out by OEM / OEM Certified resource or OEM authorized Reseller.

5. Gener

Uploa Manufacturer authorization: Wherever Authorized Distributors are submitting the bid, M anufacturers Authorization Form (MAF)/Certificate with OEM details such as name, d

esign tion, address, e-mail Id and Phone No. required to be furnished along with the bid.

6. Gener

The su ccessful bidder has to supply all essential accessories required for the successful inst allatic n and commissioning of the goods supplied. Besides standard accessories as per nor mal in lustry practice, following accessories must be part of supply and cost should be inclu ded ir bid price: All the items and accessories as per Technical Specification.

7. Generi

The Bu yer has an existing set up / inventory of similar products. The offered / supplied prod uct mu st be compatible with existing system. The bidder has to ensure Compatibility of the suppli d items or shall have to include in the supply the necessary hardware / software to make ' nem compatible at no extra cost to the buyer. The details of items with which compa tibility is required are as under: all the spares Including UPS, PC, battery, Printer, Probes & upgra ation of System Software & third party Software

8. Scope o Supply

Scope f supply (Bid price to include all cost components) : Supply Installation Testing Com missio ing of Goods ,Training of operators and providing Statutory Clearances required (if a ny)

9. Turnove

Bidder ' urn Over Criteria: The minimum average annual financial turnover of the bidder d uring th e last three years, ending on 31st March of the previous financial year, should be as indic ited in the bid document. Documentary evidence in the form of certified Audited B alance ! heets of relevant periods or a certificate from the Chartered Accountant / Cost Acc ountant indicating the turnover details for the relevant period shall be uploaded with the bid. In c ise the date of constitution / incorporation of the bidder is less than 3 year old, th e avera e turnover in respect of the completed financial years after the date of constituti on shall be taken into account for this criteria.

10. Turnover

OEM Tur Over Criteria: The minimum average annual financial turnover of the OEM of the offered roduct during the last three years, ending on 31st March of the previous financial year, sh uld be as indicated in the bid document. Documentary evidence in the form of cer tified Au lited Balance Sheets of relevant periods or a certificate from the Chartered Accou ntant / C ost Accountant indicating the turnover details for the relevant period shall be uplo aded wit the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitu on shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGOI Y RELATED TO primary product having highest bid value should meet this criterio n.

11. OEM

IMPORTE PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM shou ld have a registered office in India to provide after sales service support in India. The certif icate to t is effect should be submitted.

12. Purchase P aference (Centre)

As per DPIIT n tification at the time of e-tender , bidding or solicitation the bids shall be required to indicate percentage of local content and provide se -certification (by Director/ Company Secretary) and also give details of the location/s at which value addition is made". Si nce the bidder iere is not the local supplier, the same was required to be obtained from the "Class-I local supplier /Class II local supplier"

Further the de ils of Calculations of local content areas under:

Question 1. Ho to calculate Local Content?

Answer: Para 2 f the PPP-MII Order, 2017 (as amended on 16.09.2020) defines local content as Local content' means the amount of valu e added in Indi which shall, unless otherwise
prescribed by t e Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of impor

ted cont it in the item (including all customs duties) as a proportion of the total value, in percent.

Mathema ically,

Local cor ent = (Sale price - Value of imported content) * 100/ Sale price Where, "Sale price" means price excluding net domestic indirect taxes an "Value of imported content" means price of imported content inclusive of all customs duties

Question . How to calculate Local Content in bids involving supply of multiple items from single bidder?

Answer: case of bids requiring supply of multiple items (say "X1", "X2" and "X3") by a single bidder, the local content in the bid shall b e

Local cor ent = ((Sale price of "X1" - Value of imported content in "X1") + (Sale price of "X2" - Value of imported content in "X2") + (Sal e price of 'X3" - Value of imported content in "X3")) * 100/ (Sale price of "X1" + Sale price of "X2" + Sale price of "X3")

13. Servic & Support

Availa ility of Service Centres: Bidder/OEM must have a Functional Service Centre in the S tate o each Consignee's Location in case of carry-in warranty. (Not applicable in case of g oods h aving on-site warranty). If service center is not already there at the time of bidding, succes sful bidder / OEM shall have to establish one within 30 days of award of contract. Pa yment shall be released only after submission of documentary evidence of having Function al Ser ice Centre.

14. Servic & Support

Dedica ed /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/t oll Fre Telephone No. for Service Support.

15. Servic & Support

Escala ion Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telep hone N umbers for Service Support.

16. Certifi tes

Bidder s offer is liable to be rejected if they don't upload any of the certificates / document s soug t in the Bid document, ATC and Corrigendum if any.

17. Certifi tes

The bid der or the OEM of the offered products must have BIS/WHO-GMP/ CDSCO Indian certi fication or alternate certification as recognized by Government of India

18. Certific tes

Materi l Test Certificate Should Be Sent Along with The Supply. The Material Will Be Check ed by B uyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the It em.

19. Certific es

The bid der is required to upload, along with the bid, all relevant certificates such as BIS li cence, ype test certificate, approval certificates and other certificates as prescribed in th e Produ ct Specification given in the bid document.

20. Certific es

To be e gible for award of contract, Bidder / OEM must possess following Certificates / Test Report on the date of bid opening (to be uploaded with bid): All the quality & electrical saf

ety c rtificates .

21. Warr nty

Bidde / OEM has to give an undertaking that after expiry of warranty period, it will provid e Con prehensive Maintenance Service for next 5 years for the offered products at the rat e not more than 5% of contract price per annum. Buyer reserves the right to enter into a CMC a greement with the Successful Bidder / OEM after expiry of the Warranty period at a bove mentioned rate and the payment for the CMC charges would be made Biannually aft er ren lering of the CMC Services of the relevant CMC period. Performance Security of the succe sful bidder shall be forfeited if it fails to accept the CMC contract when called upon by the buyer. CMC would include cost of all the spares including UPS, PC, battery, Printer, Probe & upgradation of System Software & third party Software (Upload the undertaking). The original Performance Security of contract will be returned only after submission an d verif cation of AMC Performance Security for 5% of total CMC value valid up to CMC peri od plu 2 months (if there is no other claim).

22. Warra y

Warra ty period of the supplied products shall be 5 years from the date of final acceptance of goo s or after completion of installation, commissioning & testing of goods (if included in the sc pe of supply), at consignee location. OEM Warranty certificates must be submitted b y Succ ssful Bidder at the time of delivery of Goods. The seller should guarantee the rectific ation o goods in case of any break down during the guarantee period. Seller should have w ell esta olished installation, Commissioning, Training, Troubleshooting and Maintenance Ser vice gr up in INDIA for attending the after sales service. Details of Service Centres near con signee lestinations are to be uploaded along with the bid.

23. Warrant

Over an l above the normal Warranty terms as per GeM GTC, the successful bidder / OEM sha ll have o provide Comprehensive Warranty during the entire Standard warranty period as p er conti act. : The comprehensive warranty shall be covering the following scope all the spar es Inclu ling UPS, PC, battery ,Printer ,Probes & upgradation of System Software & third par ty Softv are (Upload an undertaking with the bid confirming compliance by the bidder if Bid der is ta cing onus of this compliance. In case OEM is taking onus of this compliance, OEM un dertaki g is to be uploaded along with Bidder undertaking)

24. Warranty

Successf l bidder will have to ensure that adequate number of dedicated technical service persona s / engineers are designated / deployed for attending to the Service Request in a ti me bour d manner and for ensuring Timely Servicing / rectification of defects during warran ty perio , as per Service level agreement indicated in the relevant clause of the bid.

25. Warranty

Timely S rvicing / rectification of defects during warranty period: After having been notified of the de ects / service requirement during warranty period, Seller has to complete the req uired Ser vice / Rectification within 3 days' time limit. If the Seller fails to complete service / rectificat on with defined time limit, a penalty of 0.5% of Unit Price of the product shall be c harged a penalty for each week of delay from the seller. Seller can deposit the penalty wit h the Buy er directly else the Buyer shall have a right to recover all such penalty amount fro m the Pe formance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total con ract value after which the Buyer shall have the right to get the service / rectificati on done f om alternate sources at the risk and cost of the Seller besides forfeiture of PBG. S eller shal be liable to re-imburse the cost of such service / rectification to the Buyer.

26. Past Projec Experience

For fulfilli g the experience criteria any one of the following documents may be considered as valid p oof for meeting the experience criteria:

a. Purchase order copy along with Invoice(s) with self-certification by the bidder that supplies against theinvoices have been executed.

b. Execution certificate by client with order value.

c. Any other document in support of order execution like Third Party Inspection release note, etc.

27. Past roject Experience and Qualification criterion:

I. Sup oly, installation, Testing, commissioning and maintenance of CRITICAL CARE BLOCK E QUIPM ENTS ON COMPLETE TURNKEY BASIS FOR THE 150 BEDDED CRITICAL CARE HOSPITAL BLOCK UNDER PRIME MINISTER AYUSHMAN BHARAT HEALTH INFRASTRUCTURE MISSION (P M-ABH M), with integration, turnkey works and specified supporting systems, as per tender ed spe ification.

II. Year y business turnover of Rs. 5.27 crores or above for last 3 (Three) years. Chartered Ac counta nt Certificate should be provided in support of this.

III. The t enderer can be a manufacturer or In case the manufacturer does not quote directly, t hey m y authorize their authorized agent as per proforma of Manufacturer authorization fo rm as iven in the tender enquiry document to quote and enter into a contractual obligation . The enderers quoting as authorized representative of the manufacturer shall have three years f experience in the related field and should obtain documents from principals/manuf acture fulfilling the requirements in respect of condition mentioned in additional terms, tak ing ful responsibility of technical support, service and organizational support.

IV. Bas d on CVC guidelines, the bidder should have Experience of having successfully completed /executed Supply, Installation and commissi ning of Medical equipments & supporting stores for Critical Care block / Intensive Care Unit / COVID ward or Department in a ho spital in a least one project in major Government/Corporate/International Hospital with total gross work order value equivalent to Rs 14.0 7 crores (upees fourteen crores and seven lakh only) (certificate of successful completion and commissioning from the same project sho uld be sul nitted along with the offer) *Or* at least two projects in major Government/Corporate/International Hospital with total gross work order val e equivalent to Rs 8.79 crores (Rupees eight crores and seventy nine lakh only) (certificate of successful completion and commissi ning from the same project should be submitted along with the offer) *Or* at least three projects in major Government/Corporate/I nternatio al Hospital with total gross work order value equivalent to Rs 7.03 crores (Rupees seven crores and three lakh only) (certificate of success ul completion and commissioning from the same Project should be submitted along with the offer), during last 7 (seven)years' t ime, cons ering the closing date of invitation of bids of the present tender under consideration or last date of receipt of bids for this ten der. The v lue of the executed works shall be brought to the current costing level by enhancing the actual value of work at simple rate of 7% per an um, calculated from the date of completion to last date of receipt of bids for this tender.

V. Exampl /Clarification: Similar Project means for Supply, Installation and commissioning of Medical equipments & supporting stores for Critical Ca e block / Intensive Care Unit / COVID ward or Department in a hospital from major Government/Corporate/International Hospital .

VI. In case authorized agents, manufacture's completed /executed projects with documentary evidence may be considered.

VII. Whereve Authorized Distributors are submitting the bid, Manufacturers Authorization Form (MAF)/Certificate with OEM details such as n ame, desi nation, address, e-mail id and Phone No. required to be furnished along with the bid. Manufacturer's authorization is compulsor y for store with estimated cost of Rs 5.00 lakh and above. Comprehensive maintenance contract shall not be required for stores below th e Rupees enty five thousand cost per unit.

VIII>. In view of co posite nature of e-bidding for SITC of all/ variety of stores/ equipment, bidders should offer two alternate compliant make of s tores / equ oments within the cost offered. The Institute/ buyer shall exercise the option of selecting/ opting for the most appropriate stor e for the p oject.

28. Forms EMD and PBG

Bidders can also submit the EMD with Account Payee Demand Draft in favour of NEIGRIHM S EMD ECURITY DEPOSITS payable at MAWDIANGDIANG, SHILLONG-793018, MEGHALAYA . Bidde has to upload scanned copy / proof of the DD along with bid and has to ensure deli very of hardcopy to the Buyer within Bid End date & time / Bid Opening date & time.

29. Forms EMD and PBG

Bidders ca also submit the EMD with Fixed Deposit Receipt made out or pledged in the name of A/C(Name of the Buyer). The bank should cert y on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of EMD, the FD R will be re eased in the favour of the bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped alo ng with cov ring letter. Bidder has to upload scanned copy/ proof of the FDR along with bid and has to ensure delivery of hardcopy to the B uyer within lid End date & time / Bid Opening date & time.

30. Forms o EMD and PBG

Bidders can also submit the EMD with Banker's Cheque in favour of NEIGRIHMS EMD SECURI TY DEP SITS payable at MAWDIANGDIANG, SHILLONG-793018, MEGHALAYA . Bidder has to upload canned copy / proof of the BC along with bid and has to ensure delivery of hardcopy to the B uyer within within Bid End date & time / Bid Opening date & time.

31. Forms of MD and PBG

Bidde s can also submit the EMD with Payment online through RTGS / internet banking in Benef ciary name NEIGRIHMS EMD SECURITY DEPOSITS Account No. 30270200000027 IFS C Cod : BARB0MAWDIA Bank Name BANK OF BARODA Branch address MAWDIANGDIANG, S HILLC NG-793018, MEGHALAYA . Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on- line transfer. Bidder has to upload scann ed co y / proof of the Online Payment Transfer along with bid.

32. Form of EMD and PBG

Succe sful Bidder can submit the Performance Security in the form of Account Payee Deman d Dra t also (besides PBG which is allowed as per GeM GTC). DD should be made in favour o f NEIC RIHMS EMD SECURITY DEPOSITS payable at MAWDIANGDIANG, SHILLONG-793018, ME GHAL YA . After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 da s of award of contract.

33. Form of EMD and PBG

Succe sful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (esides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in t he na ne of NEIGRIHMS EMD SECURITY DEPOSITS A/C (Name of the Seller). The bank should certif on it that the deposit can be withdrawn only on the demand or with the sanction of t he ple dgee. For release of Security Deposit, the FDR will be released in favour of bidder by t he Bu er after making endorsement on the back of the FDR duly signed and stamped along with c overing letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days f award of contract.

34. Form: of EMD and PBG

Succe sful Bidder can submit the Performance Security in the form of Payment online throu gh RT S / internet banking also (besides PBG which is allowed as per GeM GTC). On-line pay ment hall be in Beneficiary name NEIGRIHMS EMD SECURITY DEPOSITS Account No. 302702 0000(027 IFSC Code BARB0MAWDIA Bank Name BANK OF BARODA Branch address MAWDIA NGDI/ NG, SHILLONG-793018, MEGHALAYA. Successful Bidder to indicate Contract number a nd na ne of Seller entity in the transaction details field at the time of on-line transfer. Bidde r has o upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 da s of award of contract.

29. RELA IONSHIP CERTIFICATE In Bidder,s letter Head with detail Declaration must be submitted in the following format"It is certified th at I/We, t e undersigned, do(With Detail name & details)/do not have relationshipwith any of the employees working at NEIGRIHMS . The above st :ement is true and is submitted against the Gem Tender Enquiry_____Dated _____ ,

Date: __ _____ _____

(Signa :ure) Name of the Company/Firm Seal

30.In ase of need of fulfilment of statutory requirement for receipt/Installation /Operation of sto es /system such as AERB clearance /approval , PC-PNDT, Clearance from fire departm ent, e vironmental /Site clearance etc ,the delivery/installation period shall commence fro m the date of obtaining such clearance .

31.In rder to ensure provision of services(cmc) ,spares, consumables ,reagents for the qu oted s /stem as per condition bidding and to ensure compliance as per the provisions of the Contra ct Acts as amended from time to time, a triparted agreement is required to be concl uded i n prior to Final Acceptance of the store/System .

(C) 5.Additional Terms and conditions & Scope of Work for CMC

Tendere /Vendors/contractor should note that the following terms and conditions will apply sp ecifically in addition to the Rules and the Regulation as applicable to such provide services in t he G vernment of India.

1. Compr ensive Annual Maintenance Contractmust include Labour, spares & Preventive Maintenance of all the excluding of battery, Ac cessori s/Consumables
2. The te ns and conditions of the tender and the agreement executed will be binding on thevendor/contractor. This offer is being issue d in acc dance with the terms & conditions of NEIGRIHMS /Government of India and in the manner specified herein shall operate to cre ate a sp ific contract between the vendor/contractor (with whom the contract referred to) on onepart and NEIGRIHMS, Shillong, on the other pa :.
3. The re ired spares to be replace must be genuine and certified from the OEM.

4. Repairs to be undertaken should be within specified configuration and maintaining the integr ation on int rnal circuit of equipment, any deviation on configuration/ specification the repair will not be acce table. After repairs, a certificate to the effect that the equipment is in working order and safe for patient care and non-hazardous for the handler shall be submitted by the CMC holder .

5. Tender r/Vendors/contractor Is responsible to provide electrical and patient safety certificate after major repair of equipment which ar e used f direct patient care.

6. The sy tem must be checked& calibrated after every spare changes and detail service reportmust be submitted to the user & BME.
7. 2 nos Periodic preventive maintenance is mandatory irrespective of unlimited service /breakdown calls.
8. Same imilar Standby system must be provided by the bidder if the system needs to send toworkshop for any major repair.
9. Receip of this offer may be acknowledged and a copy duly signed/stamped by the authorized signatory should be submitted before fina lization f the agreement.
10. The Pe formance security shall be denominated in any one of the forms namely Account PayeeDemand Draft or Fixed Deposit Receipt drawn f m any nationalized bank in India or Bank Guarantee issued by a nationalized bank in India, pledge in favor of Deputy Director, NEIGRIH MS, and Shillong-793018 for an amount equivalent to 3% ofthe total cost of annual CMC. The validity of the Fixed Deposit receip t or Ban Guarantee will be upto 2 months beyond CMC period.

11. It may lso be noted that there should be no negligence in providing services of any type, if any, compla nt is received the contract will be terminated with immediate effect.

12. There ll be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days)basis, with penalty, to extend CMC period by double t e downtime period. The vendor shall ensure optimum uptime of the system during CMC period, failing which the initiate shalli nitiate s rn action, as deemed fit.
13. During omprehensive Maintenance Contract period, the supplier shall visit at each consignee's site for preventive maintenance includi ng testi and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consigneesite a s recom ended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warrant period for preventive maintenance of the goods.
14. Process ng of bill may be considered on yearly basis with satisfactory report from theuser department. The AMC/CMC bills should be ce rtified b the concerned Head of the Department/ In- Charge , BME and the respective DMS/MS.
15. Softwa updates should be provided free of cost during CMC. The first service call by the team of service engineers should be within 7 days of i ue of this order.
16. Settler ent of disputes - Director, NEIGRIHMS or his authorized representative shall be the final authority in all disputes and decision will be b ding on all concerned.
17. All othe terms & conditions are as per award of contract mentioned in pre-page.
18. Bidders are required to sign the CMC contract agreement within 15 (fifteen) days from theissue of the letter of award/supply order, failing w ich EMD/security deposit may be forfeited or Contract declared null and void. The manufacturers authorization form is as giv en belov

(A) MANUFACTURER'S AUTHORISATION FORM

To

_____ _____

_____ _____

(Name and a ldress of the purchaser)

Dear Sirs,

Ref. Your TE locument No _____, dated _____

We, __ _____ who are proven and reputable manufacturers of_____ _____ __(name and description of the goods offered in the tender) having factories at____ _____ _____, hereby authorise Messrs_____(name and address of the agent) t submit a tender, process the same further and enter into a contract with you agains t your requi ement as contained in the above referred TE documents for the above goods manufa ctured by us

We further confirm hat no supplier or firm or individual other than Messrs. _____ (name and address of the above agent) is auth orised to submit a nder, process the same further and enter into a contract with you against your requirement as contained in the above referre d TE documents fo he above goods manufactured by us.

We also here y extend our full warranty, CMC as applicable as per GeMI Conditions of Contract, r ead with mo ification, if any, in the Special Conditions of Contract for the goods and services offe red for suppl by the above firm against this TE document.

Our other responsil lity include:-

i) We undertake th we will provide service/spares/accessories etc. though our agent as per terms and conditions of contract

ii) We undertake th t in case of any change of Dealer/Agent, we will inform the Purchaser about the award of dealership to new agent with addres s and telephone no

Yours faithfu y,

_____ _____

_____ _____

[Signature w th date, name and designation]

for and on be alf of Messrs_____

[Name & ad lress of the manufacturers]

Note:

- **This etter of authorization should be on the letter head of the manufacturing firm and sho uld be signed by a person competent and having the power of attorney to legally bind the manuf icturer.**
- **Origi al letter may be sent.**

16(B) GeM id specifications:

2.29 *Buyer Added Bid pecific ATC*:
Buyer uploaded ATC cument Click here to view the file .

पुर्जों / उपभोग्य सामग्रियों के लि प्रस्तावित मूल्य | Price Offered for Spares / Consumables:

पुर्जों / उपभोग्य सामग्रियों के दस्तावेज़ लिंक के लिए प्रस्तावित मूल्य | Price Offered for Spares / Consumables Document link

नोट: यह सिस्टम जनरेटेड फाइल है। कोई हस्ताक्षर की आवश्यकता नहीं है। इस दस्तावेज़ का प्रिंट आउट भुगतान/लेनदेन उद्देश्य के लिए मान्य नहीं है।

Note: This is system generated file. No signature is required. Print out of this document is not valid for payment/ transaction purpose.

MI/NEIGRIHM ;/2024-25/497

June 20, 2024

NEIGRIHMS
Mawdiangdiai g
SHILLONG - 79 3 018.

Ref: Bid Nu nber: GEM/2024/B/4757970 dated 09.03.2024 for Critical Care Block E quipments on complete Turnkey basis under PH-ABHIM.

COMMITTED TO ADVANCING GOOD HEALTH...
MEDEX
INDIA (P) LTD.
Commercial Office
F-35/1, Ground Floor, Okhla Industrial Area
Phase-II, New Delhi-110 020 (INDIA)
Ph.: +91-11-41318370 / 41318172
E-mail : medexindia@gmail.com

FINANCIAL BID

Sl no		Item details	Qty	Unit Price	GST%	Unit Price incl. GST	Total
1	Install	tion & Commissioning	1	₹ 32,00,000.00	18%	₹ 37,76,000.00	₹ 37,76,000.00
2	Multi I Statior	ara Monitor with Central	30	₹ 10,20,000.00	12%	₹ 11,42,400.00	₹ 3,42,72,000.00
3	Multi I	ara Monitor	45	₹ 6,60,000.00	12%	₹ 7,39,200.00	₹ 3,32,64,000.00
4	ICU Ve	ıtilator-High End	18	₹ 18,20,000.00	12%	₹ 20,38,400.00	₹ 3,66,91,200.00
5	ICU Ve	ıtilator-Mid End	2	₹ 15,50,000.00	12%	₹ 17,36,000.00	₹ 34,72,000.00
6	Syringe	Infusion Pump	185	₹ 47,000.00	12%	₹ 52,640.00	₹ 97,38,400.00
7	Blood	luid Warmer	3	₹ 1,80,000.00	12%	₹ 2,01,600.00	₹ 6,04,800.00
8	ECG M	chine 12 Channel	6	₹ 2,10,000.00	12%	₹ 2,35,200.00	₹ 14,11,200.00
9	High E	d Colour Doppler	1	₹ 40,00,000.00	12%	₹ 44,80,000.00	₹ 44,80,000.00
10	Biphas	: Defibrillator	10	₹ 3,50,000.00	12%	₹ 3,92,000.00	₹ 39,20,000.00
11	Anaest	ıesia Workstation	3	₹ 58,00,000.00	12%	₹ 64,96,000.00	₹ 1,94,88,000.00
12	Surgica	Diathermy	3	₹ 2,10,000.00	12%	₹ 2,35,200.00	₹ 7,05,600.00
13	Radian	Warmer	6	₹ 85,000.00	12%	₹ 95,200.00	₹ 5,71,200.00
14	Portab	e Monitor	9	₹ 90,000.00	12%	₹ 1,00,800.00	₹ 9,07,200.00
15	Table-T	op Pulse Oximeter	3	₹ 80,000.00	12%	₹ 89,600.00	₹ 2,68,800.00
16	CTG wi	h Fetal Doppler	3	₹ 1,98,500.00	12%	₹ 2,22,320.00	₹ 6,66,960.00
17	Portab	e Ventilator	10	₹ 7,00,000.00	12%	₹ 7,84,000.00	₹ 78,40,000.00
18	Portab	e DR 5 Kw Or More	1	₹ 32,00,000.00	12%	₹ 35,84,000.00	₹ 35,84,000.00
19	Portab	e X ray /Portable DR-32kw	1	₹ 68,00,000.00	12%	₹ 76,16,000.00	₹ 76,16,000.00
20	Portab	e Ultrasound	2	₹ 32,00,000.00	12%	₹ 35,84,000.00	₹ 71,68,000.00
21	ABG M	chine With Ise	2	₹ 8,50,000.00	12%	₹ 9,52,000.00	₹ 19,04,000.00
22	Electric	l Suction Apparatus	7	₹ 50,000.00	12%	₹ 56,000.00	₹ 3,92,000.00
23	OT Tab	e	4	₹ 19,37,500.00	18%	₹ 22,86,250.00	₹ 91,45,000.00
24	Ot Ligh		1	₹ 29,00,000.00	12%	₹ 32,48,000.00	₹ 32,48,000.00
25	CPAP/E	PAP Machine	8	₹ 3,25,000.00	12%	₹ 3,64,000.00	₹ 29,12,000.00
26	Electro	ic Weighing Chair Adult	1	₹ 54,000.00	18%	₹ 63,720.00	₹ 63,720.00
27	Electro	ic Weighing Scale- Adult	8	₹ 18,000.00	18%	₹ 21,240.00	₹ 1,69,920.00
28	Glucom	eter	28	₹ 2,500.00	18%	₹ 2,950.00	₹ 82,600.00
29	Stethos	ope	30	₹ 14,000.00	18%	₹ 16,520.00	₹ 4,95,600.00

For MEDEX INDIA (P) LT

Direc

Sl no		Item details	Qty	Unit Price	GST%	Unit Price incl. GST	Total
30	Laryn	oscope	24	₹ 12,000.00	18%	₹ 14,160.00	₹ 3,39,840.00
31	Therr	ometer- Infrared Type	16	₹ 7,000.00	18%	₹ 8,260.00	₹ 1,32,160.00
32	Thern	ometer- Non Contact Type	8	₹ 7,000.00	18%	₹ 8,260.00	₹ 66,080.00
33	Ambu	Bag	73	₹ 1,000.00	18%	₹ 1,180.00	₹ 86,140.00
34	Anero	d Bp Apparatus	25	₹ 1,429.00	18%	₹ 1,686.22	₹ 42,155.50
35	Ophth	almoscope	7	₹ 33,345.00	18%	₹ 39,347.10	₹ 2,75,429.70
		Total Price including GST					**₹ 19,98,00,005.20**
		Total Price including GST (Rounded off)					**₹ 19,98,00,000.00**

For MEDEX INDIA (P) LT

Direc

LIST OF CONSUMABLES/SPARES/ACCESSORIES			
Bid Number: GEM/2024/B/4757970 dated 09.03.2024			
Critical Care Block Equipments on complete Turnkey basis under PH-ABHIM			
S. No.	Item Name	Name of Manufacturer	Model
1	[redacted]	Instrumentation Laboratory	GEM PREMIER 3500
	150BGEM Cartridge- Rs. 40,000.00 + GST 300BGEM Cartridge- Rs. 65,000.00 + GST 450BGEM Cartridge- Rs. 85,000.00 + GST 600BGEM Cartridge- Rs. 95,000.00 + GST CVP Control- Rs. 5,000.00 + GST		
2	[redacted]	BPL (PENLON)	Prima 465 with AGM (with O2) and Active AGSS
	Power Supply Unit- Rs. 75,000.00 + GST Absorber Canister Assembly- Rs. 1,17,000.00 + GST Gas Control Board- Rs. 86,000.00 + GST ByPass Water Trap- Rs. 15,000.00 + GST Pipeline Guage- Rs. 5,200.00 + GST Cylinder Guage - N2O- Rs. 5,200.00 + GST Cylinder Guage - O2 - Air- Rs. 5,200.00 + GST Power Management Board- Rs. 57,000.00 + GST Safety Valve Assembly- Rs. 27,000.00 + GST Bellow Assembly- Rs. 20,000.00 + GST Interface Board- Rs. 19,000.00 + GST Auto-Manual Switch- Rs. 66,000.00 + GST Heater Pin Cable- Rs. 3,500.00 + GST Absorber Type Switch- Rs. 3,500.00 + GST O2 Sensor- Rs. 25,000.00 + GST		
3	[redacted]	BPL	BPL RELIFE 900
	HV Charger Combined Board- Rs. 1,60,000.00 + GST LCD 7 inch- Rs. 9,000.00 + GST		
	Printer Assembly- Rs. 12,500.00 + GST Power Supply PCB Assembly- Rs. 12,000.00 + GST Printer- Rs. 3,500.00 + GST ECG Socket Assembly- Rs. 2,500.00 + GST Rubber Keypad- Rs. 2,500.00 + GST Key PCB Assembly- Rs. 3,000.00 + GST Main PCB Assembly- Rs. 48,000.00 + GST TFT PCB Assembly- Rs. 4,000.00 + GST Power Supply Board- Rs. 11,000.00 + GST Printer Board- Rs. 3,000.00 + GST Pacer Board- Rs. 21,000.00 + GST		
4	[redacted]	Smiths Medical	Hotline
	L-70- Rs. 1,800.00 + GST		
5	[redacted]	BPL	BPL FM9853 & BPL FD9714

For MEDEX INDIA (P) LTD

Direct

	Imaging Film 8" X 10" (1 Pkt= 150 Films)- Rs. 15,261.00 + GST Imaging Film 10" X 12" (1 Pkt= 150 Films)- Rs. 18,203.00 + GST Imaging Film 11" X 14" (1 Pkt= 150 Films)- Rs. 19,568.00 + GST Imaging Film 14" X 17" (1 Pkt= 100 Films)- Rs. 20,425.00 + GST		
16	[redacted]	BPL	MAGNA
	Power Adaptor- Rs. 2,500.00 + GST [illegible] LCD PCB Assembly- Rs. 7,500.00 + GST NIBP Module- Rs. 19,000.00 + GST Main PCB- Rs. 20,000.00 + GST DC Socket Assembly- Rs. 2,500.00 + GST Key PCB Assembly- Rs. 2,500.00 + GST		
17	[redacted]	BPL (ALPINION)	ALPINION XCUBE 60
	SMPS Module- Rs. 79,000.00 + GST FE BOARD Assembly- Rs. 6,90,000.00 + GST 21inch Monitor Assembly- Rs. 3,90,000.00 + GST Power Supply Board- Rs. 2,25,000.00 + GST Main Board Assembly- Rs. 1,10,000.00 + GST Hard Drive Assembly- Rs. 45,000.00 + GST KEY BOARD- Rs. 35,000.00 + GST		
18	[redacted]	Allengers	Mars 32DR
	Imaging Film 8" X 10" (1 Pkt= 150 Films)- Rs. 15,261.00 + GST Imaging Film 10" X 12" (1 Pkt= 150 Films)- Rs. 18,203.00 + GST Imaging Film 11" X 14" (1 Pkt= 150 Films)- Rs. 19,568.00 + GST Imaging Film 14" X 17" (1 Pkt= 100 Films)- Rs. 20,425.00 + GST		
19	[redacted]	BPL	BPL Floret 1000
	Mother Board- Rs. 35,000.00 + GST 230 V QZ Heater- Rs. 25,000.00 + GST Warmer Control Board- Rs. 30,000.00 + GST Transformer- Rs. 15,000.00 + GST		
20	[redacted]	BPL	SurgiX E2
	Cautery Board- Rs. 75,000.00 + GST Cautery PCB- Rs. 45,000.00 + GST Power Suply Board- Rs. 35,000.00 + GST Main Board- Rs. 75,000.00 + GST Keypad- Rs. 22,500.00 + GST		
21	[redacted]	BPL	BPL OXYVIEW
	DC-DC Board- Rs. 3,000.00 + GST Main Board for LED display- Rs. 24,000.00 + GST SMPS Board- Rs. 2,500.00 + GST SPO2 Module- Rs. 7,500.00 + GST Main Board- Rs. 14,000.00 + GST		
22	[redacted]	Resmed	Stellar 150

For MEDEX INDIA (P) LTD

Direct

	NIV Mask- Best Fit-2FFM/Nasal- Rs. 2,200 + GST Resmed Leak Valve- ROW- Rs. 1,400 + GST		
23	[redacted]	Resmed	Astral 150
	Disposable Patient Circuit- Rs. 5,500.00 + GST Reusable Patient Circuit- Rs. 16,000.00 + GST Reusable Full Face NIV Masks (Small)- Rs. 14,500.00 + GST Reusable Full Face NIV Masks (Medium)- Rs. 14,500.00 + GST Reusable Full Face NIV Masks (Large)- Rs. 14,500.00 + GST Disposable Full Face NIV Masks (Small)- Rs. 4,500.00 + GST Disposable Full Face NIV Masks (Medium)- Rs. 4,500.00 + GST		

NOTE:

1 GST: Extra as applicable at the time of final billing.

2 Delivery: Within 60 days from the date of receipt of the formal supply order.

3 The above prices are valid for a period 5 years from the date of issuance of the supply order of the equipment. Thereafter there will be an escalation of 5% per year on previous year prices for the next 5 years.

For MEDEX INDIA (P) LTD

Direct

Bid Number: GEM/2024/B/4757970 dated 09-03-2024

CRITICAL CARE BLOCK EQUIPMENTS ON COMPLETE TURNKEY BASIS UNDER PM-ABHIM

TECHNICAL COMPLIANCE

Portable Ventilator

S. No.	Item Description	Our Compliance	Our Compliance
		Make : AIR LIQUIDE	Make: RESMED
		Model : EO-150	Model: Astral 150
	Ventilation modes: -		
	Volume Controlled mode.	YES	Yes
	Pressure Controlled mode	YES	Yes
	Asst. Controlled mode.	YES	Yes
	SMV(VC/PC)	VC SIMV	Yes
	Pressure Support	YES	Yes
	CPAP and PEEP	YES	Yes
	Shall have NIV in all modes	YES	Yes
	BIPAP/Bi-level/ASV/Equivalent	YES	Yes
	Parameters:		
1	Tidal volume - (50 – 1500)ml or better	30-1500ml	Yes
2	Respiratory rate :0-60 BPM or better	0-60BPM	Yes
3	Inspiratory Pressure - 4 – 50 cm H2O.	4-50cmH20	Yes
4	Oxygen Concentration - 21 – 90 % or more	YES	Yes
5	Audible alarms for low pressure, Apnea, high-pressure, High respiratory rate, Circuit disconnection.	YES	Yes
6	Works independent of gas cylinder pressure/compressor	YES BUILT IN TURBINE	Yes
7	Works with both high pressure and low-pressure O2.	LOW PRESSURE O2	Yes
8	Should be able to display FIO2 on the Ventilator	YES	Yes
9	Should have screen size 7 inch or more	YES 7 INCHES	Yes
	I. Standard Accessories (with each machine):		
1	Patient circuit (Adult) - disposable -5 nos dual limb	YES	Yes
2	O2 Pressure Regulator - 1 No.	YES	Yes
3	Hose for O2 connection - 5 mts	YES	Yes
4	Test lung - 1 No.	YES	Yes
5	Shall supply with all other accessories necessary to operate the ventilator.	YES	Yes
6	NIV Mask – 1 No (Adult, Reusable)	YES	Yes
	I. Power Source		Yes
	1. 220/240 V Ac 50 Hz supply. Internal battery (Li-Ion) with minimum 4 hours operating time (hot-swappable allowed)	YES 5 HOURS	Yes
	I. Mounting	YES	Yes
	1. Provision for mounting on trolley & bedrail with necessary clamps. Should have carry handle / provisions for transport easily.	YES	Yes
	ii.4 nos of Stand alone mobile trolley should be provided along with the entire lot .		Yes
	iii Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission / FDA (US)/ CDSCO/ BIS .	EUROPEAN CE	Yes
	iv. Should have trigger setting facility for pressure/flow.	FLOW	Yes
	v. Should be electrically driven to prevent wastage of gases and to avoid dry run.	YES	Yes
	vi. The Ventilator shall be able to monitor VTE. VTL RR. FIO2. MVE. Pif. I:E Ratio. graphs- V-T/P-T/F-T(at least one)	YES	
	vii. Shall have weight < 8 kg	YES 5 KGS	Yes

OT Table with Split Leg Section

S. No.	Item Description	Our Compliance

For MEDEX INDIA (P) LTD

Direct

		Make: BenQ Medical Technology Corp
		Model: NOT S600SBEA
A	USFDA / ECE/ ISO /CDSCO/BIS approved	Full Compliance
B	5 year warranty followed by 5 year CMC	Full Compliance
C	Suitable customized storage/sterilization cases for accessories/attachments, wherever applicable, should be supplied in adequate numbers, even when not separately asked for. These should be from manufacturer of accessory only- non-customized cases from other manufacturers will not be accepted.	Full Compliance
D	Tabulated Compliance statement should include your product's specific values/details for each point and not merely 'yes' or 'no'	Full Compliance
E	Institute reserves the right to have a live demo if required.	Full Compliance
	General features	
1	The quoted system should be based on electro hydraulic technology.	Full Compliance
2	The table should either be eccentric or with central column. The tables with central column should allow sufficient motorized slide of at least 310 mm to permit full upper body imaging including the pelvis without having to move the patient (transitional facility controlled by remote)	Full Compliance
3	The table should be sturdy, mobile with padded divided (split leg) foot section	Full Compliance
4	All tables sections except the section attached to the pillar should be quickly detachable using easy latch mechanism to suit all surgical needs	Full Compliance
5	The table should be made of high quality stainless steel with space to provide comfortable leg space to the surgeon while operating	Full Compliance
6	The base column should have telescopic cover of stainless steel and should prevent the ingress of fluid in the system.	Full Compliance
7	All metal components of the table should be made up of corrosion resistant aluminum or stainless steel alloys.	Full Compliance
8	The table should have heavy duty antistatic swivel castors with central electric/ hydraulic locking through hand held controller for easy maneuverability. It should have self-leveling floor locks	Full Compliance
9	Brakes, wheels for 360 degree rotation or rotation for cleaning and avoiding equipments with motorized auto drive for efficient patient transport.	Full Compliance
10	All table top section should be quickly detachable and inter chargeable as per need of surgery.	Full Compliance
11	Molded seamless mattress attached to top with pins / Velcro	Full Compliance
12	Should have single switch operated flex, reflex and 'O' position.	Full Compliance
13	**Weight load capacity**	
	Should have safe patient weight load capacity of at least 225 kg in all table positions. The STATIC patient weight capacity should be 300 Kg or more	Full Compliance
	Remote must be wire / wireless & can show the Graphical position of the Table and must covered under warranty & CMC	Full Compliance
14	**Table top and mattress**	
	The table top should be made up of scratch-less X-Ray/C-arm translucent material.	Full Compliance
	Mattress should be double layered, more than 70 cm, ultrasonically sealed and anti-decubitus/ antistatic, with easy Velcro free fixation/Velcro and should be easy to detach from the top.	Full Compliance
	The mattress should be easy to clean	Full Compliance
	The mattress should be latex and CFC free and 100% hygienic	Full Compliance
15	**Power and Controls**	
	The table should be equipped with a completely independent electronic back up drive unit operated through the override panel in case of failure of Main drive.	Full Compliance
	Fully charged battery should be sufficient for weekly operative schedule i.e. approximately for 80 operations	Full Compliance
	The central column /base and handheld controller should indicate the charging status and table battery status.	Full Compliance
	All table positions like height, lateral tilt, kidney position, Trendelenburg and reverse Trendelenburg and flex/reflex and zero leveling should be obtainable using remote hand held controller without moving the patient.	Full Compliance
	Latest type of LCD/LED backlit screen on hand held controller displaying each selected position of the table and similar features should be available on override control panel.	Full Compliance
16	**Technical Specification: All Parameters should be within allowed ± 5% variation limits:**	
	Overall length: 200-210 cm.	Full Compliance
	Max. Width: Min. 550- 600mm (With side rails)	Full Compliance

For MEDEX INDIA (P) LTD

Direct

		CTG Speaker- Rs. 3,500.00 + GST Keyboard- Rs. 6,500.00 + GST Main Board- Rs. 80,000.00 + GST SMPS Board- Rs. 19,000.00 + GST Interface PCB- Rs. 22,000.00 + GST Display Stand- Rs. 2,500.00 + GST Encoder Assembly- Rs. 3,000.00 + GST Interface Board- Rs. 8,500.00 + GST Keypad- Rs. 2,500.00 + GST Rear Cabinet- Rs. 4,500.00 + GST Front cabinet- Rs. 9,000.00 + GST Back Cabinet- Rs. 4,000.00 + GST Cable for Display- Rs. 3,500.00 + GST **FETAL DOPPLER** Power Adaptor- Rs. 3,500.00 + GST Speaker- Rs. 3,000.00 + GST Main Board- Rs. 4,500.00 + GST LCD Display- Rs. 4,500.00 + GST	
6	[redacted]	BPL	BPL CARDIART 9108D
		Printer Head- Rs. 22,000.00 + GST Main Board- Rs. 38,000.00 + GST Key Board- Rs. 11,000.00 + GST ECG Board- Rs. 28,000.00 + GST LCD Assembly- Rs. 21,500.00 + GST Power Supply Board- Rs. 30,500.00 + GST Silicon Keypad- Rs. 3,500.00 + GST Speaker- Rs. 1,500.00 + GST Bottom Cabinet- Rs. 7,500.00 + GST Power Input Socket- Rs. 2,000.00 + GST Stepper Motor Gear- Rs. 2,000.00 + GST	
7	[redacted]	Anand	HI VAC PLUSS 60 Ltr.
		5 ltr jar- Rs. 12,000.00 + GST Safety Jar- Rs. 1,500.00 + GST Patient tube- Rs. 1,200.00 + GST Foot Switch- Rs. 3,000.00 + GST Filter- Rs. 900 + GST	
8	[redacted]	ARKRAY/HD Biosensor/Abbott/Equivalent	
		Strip- Rs. 12.00 Per Strip + GST	
9	[redacted]	Hamilton	Hamilton C1

For MEDEX INDIA (P) LTD

Direct

	O2 CELL- Rs. 31,000.00 + GST PM Kit consist of (O2 INLET FILTER, HEPA FILTER, FAN FILTER, DUST FILTER)- Rs. 85,000.00 + GST FLOW SENSOR- Rs. 11,000.00 + GST PATIENT CIRCUIT- Rs. 11,300.00 + GST Battery- Rs. 1,18,000.00 + GST Power Cable- Rs. 6,700.00 + GST Expiratory Valve- Rs. 78,000.00 + GST Non heated dual water trap circuit- Rs. 2,600.00 + GST		
10	[redacted]	Hamilton	Hamilton C3
	O2 CELL- Rs. 31,000.00 + GST PM Kit consist of (O2 INLET FILTER, HEPA FILTER, FAN FILTER, DUST FILTER)- Rs. 85,000.00 + GST FLOW SENSOR- Rs. 11,000.00 + GST PATIENT CIRCUIT- Rs. 11,300.00 + GST Battery- Rs. 1,18,000.00 + GST Power Cable- Rs. 6,700.00 + GST Expiratory Valve- Rs. 78,000.00 + GST Non heated dual water trap circuit- Rs. 2,600.00 + GST		
11	[redacted]	Nihon kohden	CSM 1502
	6 Lead ECG6 Lead ECG- 15000.00 + GST Disposable ECG Electrodes- 20.00 + GST SPO2 connecting cord- 11,000.00 + GST Adult spo2 sensor- 8,400.00 + GST Paediatric spo2 sensor- 16,700.00 + GST Neonates spo2 sensor- 22,200.00 + GST NIBP Hose- 5,800.00 + GST Adult cuff- 3,600.00 + GST Paediatric cuff- 3,600.00 + GST Neonatal cuff- 3,600.00 + GST Temp. Probe Skin- 3,600.00 + GST ~~IBP Cable- 11,200.00 + GST~~ IBP Transducer- 2,700.00 + GST Mount- 7,600.00 + GST Power Cord- 620.00 + GST		
12	[redacted]	Nihon kohden	CSM 1502

For MEDEX INDIA (P) LTD

Director

	6 Lead ECG6 Lead ECG- 15000.00 + GST Disposable ECG Electrodes- 20.00 + GST SPO2 connecting cord- 11,000.00 + GST Adult spo2 sensor- 8,400.00 + GST Paediatric spo2 sensor- 16,700.00 + GST Neonates spo2 sensor- 22,200.00 + GST NIBP Hose- 5,800.00 + GST Adult cuff- 3,600.00 + GST Paediatric cuff- 3,600.00 + GST Neonatal cuff- 3,600.00 + GST Temp. Probe Skin- 3,600.00 + GST IBP Cable- 11,200.00 + GST IBP Transducer- 2,700.00 + GST Mount- 7,600.00 + GST Power Cord- 620.00 + GST		
13	[redacted]	Surgiris	X2MT / X2MT
	LIGHT CONTROL UNIT - WALL- Rs. 2,00,000.00 + GST CAMERA CONTROL UNIT - WALL- Rs. 2,00,000.00 + GST CAMERA- Rs. 12,25,000.00 + GST MEDICAL GRADE RECORDER- Rs. 8,10,000.00 + GST MEDICAL GRADE MONITOR- Rs. 4,50,000.00 + GST BATTERY SET (2 PCS) FOR EMERGILED 12V/7.5A- Rs. 27,240.00 + GST CONTROL HANDLE FOR KALEA/X2/X1- Rs. 65,660.00 + GST BACK SIDE CONTROL HANDLE FOR KALEA/X2/X1- Rs. 14,170.00 + GST FRONT SIDE CONTROL HANDLE FOR KALEA/X2/X1- Rs. 59,490.00 + GST LED MODULE- Rs. 1,60,930.00 + GST OFC CABLE WITH CONDUIT AND LAYING- Rs. 6,000.00 + GST PATCH CARDS FOR 1.2 Mtrs- Rs. 4,000.00 + GST HD BNC CONNECTOR- Rs. 2,500.00 + GST VIDEO CABLING WITH CONNECTION ETC.- Rs. 3,500.00 + GST		
14	[redacted]	Bet Medical (BenQ Medical Technology Corp)	Dr. Max 7000SBA
	MATRESS PAD (REGULAR FABRIC)- Rs. 1,15,600.00 + GST MATRESS PAD (ANTI - STATIC FABRIC)- Rs. 1,07,040.00 + GST HYDRAULIC OIL (ISO VG 32 GRADE)- Rs. 35,360.00 + GST HAND CONTROLLER- Rs. 99,240.00 + GST CABLE- Rs. 56,800.00 + GST PC BOARD- Rs. 120,000.00 + GST POWER CORD- Rs. 17,520.00 + GST CASTER- Rs. 18,360.00 + GST SIDE RAIL CLAMP- Rs. 65,920.00 + GST SIDE RAIL LOCK- Rs. 33,200.00 + GST ARM BOARD- Rs.58,800.00 + GST FOOT PAD FOR FLOOR LOCKING(HARDNESS:90)- Rs. 18,680.00 + GST FOOT PAD FOR FLOOR LOCKING(HARDNESS:60)- Rs. 18,680.00 + GST		
15	[redacted]	Allengers	MARS-4.2

For MEDEX INDIA (P) LTD

Direct

	Minimum height: 600mm -760 mm	Full Compliance
	Maximum height: 1000mm -1010 mm	Full Compliance
	Side Tilt: 18 degree or more.	Full Compliance
	Trendelenburg: 25 degree or more	Full Compliance
	Anti-Trendelenburg: 30 degree or more	Full Compliance
	Power input to be 220-240Vac, 50HZ fitted with Indian plug	Full Compliance
	The quoted equipment should be having ISO, CE, IEC and FDA certification.	Full Compliance
	All technical specification accepted in compliance statement must be supported by the printed literature from the manufacturer	Full Compliance
17	**Accessories**	
	In case the table is imported the accessories must also be imported with the table and must not be locally sourced.	Full Compliance
	It should have on-table GI endoscopy (upper and lower) attachment	Full Compliance
	It should have all attachments for mounting Thompson retractor.	Full Compliance(optional)
	Allen stirrups (preferably hydraulic).	Full Compliance(optional)
	Lloyd-Davis stirrups (preferably hydraulic).	Full Compliance(optional)
	Brake pedal – should be single lever foot operated.	Full Compliance
18	**Should be supplied with following standard Accessories:**	
	Anesthesia screen and pair of padded Armrest with clamps	Full Compliance
	Pair of leg plates with padding	Full Compliance
	Pair of Body strap for kidney position.	Full Compliance
	Backlighted Hand control	Full Compliance
19	Tabletop should be completely without x ray interfering cross bars and should be radiolucent and scratch proof. The supplier shall provide full carbon components for 360 degree radiolucency for the above mentioned surgeries	Full Compliance
20	It should be compatible with C-arm.	Full Compliance
21	The side rails should be metal free to be compatible with 3D C-arm capturing.	Full Compliance
22	Mattress should be molded, seamless, anti-static, anti-decubitus, latex free & durable.	Full Compliance

Electrical suction apparatus

S. No.	Item Description	Our Compliance
		Make: Anand
		Model: HI VAC PLUSS 60 Ltr.
1	Should deliver high vacuum of - 90Kpa/-85 Kpa, 675 mm Hg	Full Compliance
2	Flow rate range: 35 - 60liters/minute	Full Compliance
3	Should provide with Piston Cylinder Technology/Equivalent with max noise level of 60dbA for silent operation .	Full Compliance
4	Should supply with Membrane Vacuum Regulator	Full Compliance
5	Should be available autoclavable PSU jars of 3-5 litres (2 no's) and lids with over flow Protection device	Full Compliance
6	Should supply with Foot Vacuum Regulator	Full Compliance
7	Should be available safety jar with over flow protection device with bacteria filters	Full Compliance
8	Tubings should be made from silicone	Full Compliance
9	Should supply with standard rail which is attached in the original company made mobile trolley.	Full Compliance
10	Mobile trolley should have castors with brakes and On/Off Switch	Full Compliance
11	Should have safety certificate from a competent authority CE issued by a notified body registered in European commission / FDA (US) / ETSC GD [illegible] be produced along with the technical bid.	

पूर्वोत्तर इंदिरा गांधी क्षेत्रीय स्वास्थ्य एवं आयुर्विज्ञान संस्थान
North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences
(भारत सरकार, स्वास्थ्य एवं परिवार कल्याण मंत्रालय, स्वायत्त संस्थान)
(An Autonomous Institute, Ministry of Health and Family Welfare, Government of India)
निदेशक : ब्लॉक, मावडियांगडांग, शिलांग -793 018 (मेघालय) / Director's Block, Mawdiangdiang, Shillong -793 018 (Meghalaya)
Email: storeneigrihms@gmail.com

Store & Procurement

INDIA (P) LTD

Direct

	Double Dome OT Lights	
S. No.	Item Description	Our Compliance
		Make: Surgiris
		Model: X2MT / X2MT
	The light shall adopt LED Technology to create a homogenous light patch without emitting any infrared rays.	The offered light shall adopt LED Technology to create a homogenous light patch without emitting any infrared rays.
	The light system shall be double Dome heads, one major and one satellite.	The light system is double Dome heads, one major and one satellite.
	The light should have combination of cool white, warm white, green and Red LEDs.	The offered OT Light have combination of cool white, warm white, green and Red LEDs.
	Light should have electronic focusing from control panel without any motorized or mechanical movement of light panels. It should have different LEDs for wider Beam.	The offered OT Light have electronic focusing from control panel without any motorized or mechanical movement of light panels. It have different LEDs for wider Beam.
	Pulse width modulation control LED driving to ensure less heating of LED which increases life of LEDs and no change in Light colour Output and light colour temperature throughout life.	The offered OT Light has Pulse width modulation control LED driving to ensure less heating of LED which increases life of LEDs and no change in Light colour Output and light colour temperature throughout life.
	Light heads should be Petal shaped and laminar flow friendly to ensure fresh air is allowed to reach the surgical site.	The offered OT Light heads is Petal shaped and laminar flow friendly to ensure fresh air is allowed to reach the surgical site.
	The light shall be mountable to celling from single center with 360-degree rotation of all arms. Spring arms shall be rotatable at least 360 degrees around their own axis. Each light head should be rotatable at 360 degrees at connecting joint with spring arm and at least 240 degrees around its own axis. This feature should be applicable with camera mounted dome also.	The light mountable to celling from single center with 360 degree rotation of all arms. Spring arms rotatable at least 360 degrees around their own axis. Each light head rotatable at 360 degrees at connecting joint with spring arm and at least 240 degrees around its own axis. This feature applicable with camera mounted dome also.
	The thickness of the light head shall be no more than 70mm.	The thickness of the light head 40mm.
	All LEDs should be mounted directly on aluminum bodies which are exposed to room temperature for proper cooling of LED's.	All LEDs mounted directly on aluminum bodies which are exposed to room temperature for proper cooling of LED's.
	Each LED module should be easily replaceable during on-field repair.	Yes, comply
	The unit should be supplied with a detachable, sterilizable handle at the Centre for aiming of the light head.	The unit is supplied with a detachable, sterilizable handle at the Centre for aiming of the light head.
	Wall mount control panels should be provided for ease.	Wall mounted control panels for light and camera shall be be provided for ease.
	Light Intensity and light field diameter should be controlled from light arm control panel as well as from wall mount control panel away from dome.	Light Intensity and light field diameter can be controlled from light arm control panel as well as from wall mount control panel away from dome.
	LED service life should be more than 50000hrs or more	LED Service life should be more than 50000hrs or more
	2. Technical Requirements of The Main Dome.	
	Central illuminance should be 160,000 lux.	Central illuminance 160,000 lux.

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Direct

	Light field Diameter should be adjustable form 150mm to 300mm in 5 Steps.	Light field Diameter adjustable form 160mm to 310mm in 5 Steps.
	D10: 300mm & D50 :160mm	D10: 310mm & D50 :160mm
	Color temperature (K), adjustable from 3500-5000K in 4 steps or more.	Color temperature (K), adjustable from 3500-5000K in 4 steps.
	Color rendering index Ra should be 95 or more and R9 should be 98 or more.	Color rendering index Ra 98 and R9 99.
	Depth of illumination (L1+L2) as per IEC 60601-2-41 (Ver 2003) should be 650mm and as per IEC 60601-2-41 (Ver 2008) should be 1200mm.	Depth of illumination (L1+L2) as per IEC 60601-2-41 (Ver 2003) is 1150mm and as per IEC 60601-2-41 (Ver 2008) 670mm.
	The dimming range should be between 25%-100% & Endoscopy mode illumination should be green in color.	The dimming range between 30%-100% (50000 Lux to 160000 Lux) & Endoscopy mode illumination available green/cyan color.
	The number of LED modules on the light head should be 70 or More for better depth light and Homogeneous Field of view.	The number of LEDs on the light head 124 for better depth light and Homogeneous Field of view.
	3. Technical Requirements of The Satellite Dome.	
	Central illuminance should be 160,000 lux.	Central illuminance 160,000 lux.
	Light field Diameter should be adjustable form 150mm to 300mm in 5 Steps.	Light field Diameter adjustable form 160mm to 310mm in 5 Steps.
	D10: 300mm & D50 :160mm	D10: 310mm & D50 :160mm
	Color temperature (K), adjustable from 3500-5000K in 5 steps or more.	Color temperature (K), adjustable from 3500-5000K in 4 steps.
	Color rendering index Ra should be 95 or more and R9 should be 98 or more.	Color rendering index Ra 98 and R9 99.
	Depth of illumination (L1+L2) as per IEC 60601-2-41 (Ver 2003) should be 650mm and as per IEC 60601-2-41 (Ver 2008) should be 1200mm.	Depth of illumination (L1+L2) as per IEC 60601-2-41 (Ver 2003) is 1150mm and as per IEC 60601-2-41 (Ver 2008) 670mm.
	The dimming range should be between 25%-100% & Endoscopy mode illumination should be green in color.	The dimming range between 30%-100% (50000 Lux to 160000 Lux) & Endoscopy mode illumination available green/cyan color.
	The number of LED modules on the light head should be 70 or More for better depth light and Homogeneous Field of view.	The number of LEDs on the light head 124 for better depth light and Homogeneous Field of view.
	4. Should be provided with Full HD Wi- Fi/Wired Camera with following specifications:	OT Light shall be provided with Full HD Wi- Fi Camera with following specifications:
	Sensor: 1/3" CMOS.	Sensor: 1/3" CMOS.
	Number of pixels 2.55 Megapixels	Number of pixels 2.4 Megapixels
	Signal to noise ratio: >50dB	Signal to noise ratio: >50dB
	Zoom = 30x optical zoom, 12x Digital zoom	Zoom = 10x optical zoom, 32x Digital zoom
	Focal length: f=4.3mm to 129mm	Focal length: f=5.1mm to 51mm
	Aperture: F1.6 to F4.7	Aperture: F1.6 to F1.8
	Electronic Shutter: 1/30-1/30000sec	Electronic Shutter: 1/25 - 1/30000sec
	Autofocus: Yes	Autofocus: Yes
	Mounting: Centre of light head	Mounting: Centre of light head
		White balance: Auto/manual
	5. Recording system technical specification	
	The recording system should be standalone equipment and not PC based.	In-built recording system with Monitor.

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Direct

	It should have a touch screen interface and should have an inbuilt display for video and support functions like –video recording, Screenshot and sharing.	It have a Multipoint Capacity Touch Screen and have an inbuilt display for video and support functions like –video recording, Screenshot and sharing.
	Provides Viewing and Recording resolution up to 1920x1080p.	Provides Viewing and Recording resolution up to 1920x1080p.
	Receiver/recorder must take the input for the video from OT light camera system.	Receiver/recorder take the input for the video from OT light camera system.
	Should Support following output: HDMI, SDI, USB.	Support output: HDMI / VGA
	Should have up to 1TB of internal storage.	Have up to 1TB of internal storage.
	Should support Playback of recorded video files.	Support Playback of recorded video files.
	7. Medical Grade Display System	
	Full HD 1080p30	Full HD 1080p30
	27 Inch Monitor.	32 Inch Monitor.
	Digital DVI/VGA/HDMI video output from video display system	Digital DVI/VGA/HDMI video output from video display system
	8. Standards	
	ISO 13485:2016 & ISO 9001:2015	ISO 13485:2016 & ISO 9001:2015 (document attached)
	~~European CE Certificate /USFDA/BIS/CDSCO~~	Compliance to European CE Certificate (document attached)
	IEC 60601-1, IEC 60601-2, IEC 60601-2-41 test Certificate from any NABL accredited lab.	IEC 60601-1, IEC 60601-2, IEC 60601-2-41 test Certificate from any NABL accredited lab.

ABG Analyser

S. No.	Item Description	Our Compliance
		Make: IL
		Model: GEM Premier 3500
1	The analyzer should be able to measure blood gas (Ph, Po2, Pco2) electrolytes (Na+, K+,Ca++/Cl-) and Glucose, Lactate, with 12 calculated parameters including HCO3–, HCO3– std, TCO2, BE(B) & Ca++ (if not direct)	Full Compliance
2	Sampling by automated probe aspiration.	Full Compliance
3	The instrument should be operated with cartridge/cassettes.	Full Compliance
4	The cartridge/cassettes should have multi test variable pack sizes from 100 to 600 tests.	Full Compliance
5	Analyzer should have onboard help system via multimedia tutorials.	Full Compliance
6	Analyzer should have automated entry and logging of consumables.	Full Compliance
7	Analyzer should have a start-up time should be 30 minutes	Full Compliance
8	Analyzer should have large color touch screen facility optional for keyboard operation/Extenal keyboard for data entry.	Full Compliance
9	Analyzer should not use any Gas bottle/tanks/cylinders for calibration.	Full Compliance
10	Analyzer should have an inbuilt printer and minimum inbuilt memory of 100 samples.	Full Compliance
11	Analyzer should have data back-up with read/write CD drive / USB ports.	Full Compliance
12	Analyzer should be able to measure all parameters with maximum sample volume of 150 micro L	Full Compliance
14	Analyzer should have integrated barcode reader to support sample identification.	Full Compliance
15	Analyzer should have correlation correction software.	Full Compliance
16	The analyzer should perform samples like whole blood, other fluids and hemodiluted samples.	Full Compliance
17	Analyzer should have optional automatic on-board QC for maintenance free operations.	Full Compliance
18	Analyzer should have unlimited user ID and access level verification.	Full Compliance

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19	Analyzer should have automatic lock-out of parameters that fails QC or option to inactivate individual sensors for failed calibration.	Full Compliance
20	Analyzer should have QC statistics.	Full Compliance
21	Should have FDA/IVD certificate for in vitro diagnosis application.	Full Compliance
22	Cartridges/Cassettes supplied should have minimum 3-6 months shelf life. The tenderer shall replace the unutilized balance cassettes/cartridges when there is expiry, on request.	Full Compliance
23	Analyzer should have product safety compliance to UL listed under UL-544/Tuv Listed/Complies with IEC 61010-1/ Europian CE/US FDA.	Full Compliance
24	The Cost per test/Sample should be taken into consideration for 300 samples/month & 600 samples for the period of ten years for the purpose of evaluation including all the cassettes, cartridges, printer papers etc.	Full Compliance
25	Monthly two times running of external/Third party control (High, Low & normal) is to be included in the test per cost & should submit a copy of the report along with the invoice.	Full Compliance
26	All consumables i.e. Cartridges, cassettes, printer papers etc. includes in the cost /test . And the cost for different test loads should be quoted separately as details below a. 300-500 tests per month b. 500-1000 tests per month Example: - If for 300 test it requires "X" nos. Cassettes, "Y" nos. Cartridges & "Z" nos printer paper, the cost per test =C={(Prices of all units X+Y+Z)/300}. Then later on institute can process the order for 300 tests/month as "300xC" or 600 tests as 600xC. This cost includes each and every consumables that required for 300 or 600 tests/month.	Full Compliance
27	Proper calibration certificates shall be provided after installation, preventive maintenance & major repairs during comprehensive warranty & CAMC period.	Full Compliance
28	A copy duly signed by the concerned dept. HOD of the no of test done report should submitted along with the invoice.	Full Compliance
29	For the purpose of price evaluation of tender, cost of system and average cost of tests a, b, and c shall be taken for the purpose of evaluation.	Full Compliance

3 Para Monitor/Portable Monitor

S. No.	Item Description	Our Compliance
		Make: BPL
		Model: MAGNA
	1. Vital signs monitor intended for monitoring & recording non-invasive blood pressure, oxygen saturation, pulse rate & ECG	Yes, BPL MAGNA monitors vital parameters like NIBP, SpO2, pulse rate & ECG and displays them
	2. 7" or more High resolution TFT/LCD with LED Backlight display 480 x 800mm	Yes, BPL MAGNA has 7" Colour TFT LCD Screen with LED backlight with 800 x 480 pixel resolution
	3. 7" Integrated screen	Yes, complies
	4. Oscillometric technique for measurement of non-invasive blood pressure for adult 10-270mmHg, for paediatric 10-200mmHg & for neonatal 10-135mmHg with +/- 5mmHg accuracy range	Yes, NiBP is measured by Automatic Oscillometric method with range 20 ~ 260 for Adult 20 ~ 230 for Child 20 ~ 130 for Neonate with +/- 5mmHg accuracy range
	5. NIBP operating modes:Manual & automatic. User selectable automatic intervals of 2, 3, 4, 5,10,15, 20, 25, 30,60 minutes	NIBP Operating modes:Manual, Automatic & Turbo and [illegible] 90 minutes
	6. Pulse rate range of 40 to 240 BPM with accuracy of +/- 3 BPM & data averaging every 2 seconds	Yes, BPL MAGNA has Pulse Rate range between 25-250 BPM with accuracy ±2BPM
	7. SpO2 display range 0 – 100% with resolution 1%	Yes, BPL MAGNA has SPO2 Range 0 ~ 100% with 1% Resolution

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	8. SPO2 accuracy range 0% to 100% ±2% for Adult / Paediatric without motion & 70% to 100% ±3% for Neonatal without motion.	Yes, BPL MAGNA has Accuracy ±2 (70% – 100%) Unspecified (0% – 69%)
	9. ECG 3 lead range 15 – 300 BPM ±1%	Heart Rate Range 30 – 250 BPM with HR accuracy ±2 bpm
	10. ECG Sweep Speed: 6.25, 12.5, 25 and 50 mm/s	ECG Sweep Speed: 25mm/sec
	11. ECG T Wave Rejection: 1.2mV	Yes, complies
	12. External connections: LAN, USB	Yes, complies
	13. Degree of protection against electric shock: Class 1	Yes, complies
	14. Degree of protection against electric shock - applied parts: Type BF (ECG: CF)	Yes, complies
	15. Degree of protection against harmful ingress of particles and water: IPX 2 or better	Yes, complies
	16. Mode of operation: Continuous	Yes, complies
	17. Data storage capacity: 12 patients stored full wave save, each for 48 hours (24 days of	Yes, complies
	continuous monitoring). 2000 patients (only storing trend data with wave save turned off)	Yes, complies
	18. Power supply rating 220-240 VAC & frequency 50Hz / 60Hz	Yes, complies
	19. Internal battery backup for 120 minimutes	Yes, complies
	22. Audible and visual low battery warning tone generated 20-30 mins before shut down	Yes, complies
	25. Weightshould not be more than 2.5 Kg (Including battery)	Yes, complies
	26. Comply with MDD 93/42/EEC, EN ISO 13485:2012+AC:2012, EN ISO 14971:2012 /CDSCO/BIS Equivalent medical device standards	ISO 13845 and ISO 9001 certified
	27. Should supplied with a suitable Trolley with following specifications	Yes, complies
	a. Trolley should made of Stainless Steel / Powder coated frame with SS 304 grade Top	Yes, complies
	b. Should be a 2-shelf (including the top mount) cart, one with a drawer/wire basket for storing the accessories and consumables.	Yes, complies
	c. Should have four/five superior castors (two with brakes)	Yes, complies
	28. Trolley should have a suitable cable arm firmly affixed having holder for ECG cables and other probes.	Yes, complies
	Scope of supply	
	1. ECG lead-1nos	Yes, offered
	2.Spo2 Probe -1 nos with Adult and 1 for pediatric	Yes, offered
	3.NIBP cuff:1 no Adult,1 no Pediatrics,1 no Infant size	Yes, offered

Multi Parameter Monitor

S. No.	Item Description	Our Compliance
		Make: Nihon Kohden
		Model: CSM 1502
1	Advanced high-end modular patient monitor having integrated non-invasive, invasive measurement & features suitable for neonate, pediatrics & adult patients. It should be a proper modular monitor with interchangeable modules or servers	Yes comply
2	The monitor should have a highly visible, bright 15" color TFT, full touch screen, and display for easy viewing from a distance. It must be a proper modular monitor with swapable module with facility to transfer data from one monitor to another just be swapping modules -	Yes comply
3	The monitor must have the facility to display min 06 waveform or more, along with related numerical parameters on a single screen.	Yes Comply with 15 waveforms
4	Monitors must be able to monitor ECG, Sp02 (masimo-SET with PI)/Nellcore/anw other similar technology, NIBP, Respiration, Temperature, 2 x Invasive pressure and Temperature should be monitored through one server/ module	Inventor of pulse oximetry
5	Should have the option of integrating 6 inches in the transport module with a bedside monitor for shifting the patient without any disconnection of cables/ wires with seamless data transfer to the main bedside monitor and minimum 4-5 hrs battery backup. Transport Monitor's screen should remain reflecting waveforms and parameters when connected to the main monitor	Yes Comply with 5.7 inch Transport monitor

For MEDEX INDIA (P) LTD

Direct

6	Monitor must be Upgradable to minimal invasive continuous cardiac output (CCO), NMT Module, Etco2, 4 IBP, EEG module, SPo2, &Sedline (BIS) Monitoring with 4 channel EEG & Etco2 (main stream). Third party device integration will not be accepted	Yes comply
8	System must have minimum 48 hours review data including graphical and tabular trends, arrhythmia event recalls.	Yes Comply, 72 hrs
9	Monitor must have the time linked review function. Monitor must show the waveforms for the time when the arrhythmia occurred in case of arrhythmia recall.	Yes comply
10	Monitor must have facility to display 12 lead ECG	Yes comply
11	Monitor should have 12 lead ST segment calculations	Yes comply
13	The monitor must be U. S. FDA / European CE/CDSCO approved for main equipment	Yes comply
14	45 Nos of monitor to be supplied with following items :	Yes comply
	Basic Module for all seven parameter (ECG,SPO2,RESPIRATION,TEMP,NIBP and IBP-2 ports)-45 modules	Yes comply
	a. 5/10 Lead ECG electrode cable- 45 Nos (30 x 1No. each)	Yes comply
	b. Disposable ECG electrodes -1350 nos in total (30 pcs x45)	Yes comply
	c. Sp02 probe with cable —55 Nos in total (30 Adult,15 pediatrics and 5 neonatal size	Yes comply
	d. Reusable NIBP cuffs for Pediatrics and neonates — 70 Nos in total (45 Adult,20 pediatrics and 5 nos neonatal size	Yes comply
	e.. Temp Probe — 45 Nos. skin	Yes comply
	f.. IBP connection cable — 90(02 Nos x 45).	Yes comply
	g. IBP Disposable Pressure Transducers — 225 Nos	Yes comply
15	Patient Monitor supplier firm should be capable to upgrade the ICU with Electronic Charting and integration with other ICU equipments like Ventilators and Syringe Pumps etc. Price for per bed ICU integration with electronic charting to be quoted separately.	Yes comply
16	Warranty 5 years and CMC for 5 years	Yes comply
17	High quality wall mount to be provided with. Fitting should be vendor's responsibility	Yes comply
18	List and price of all spares and consumable parts to be provided and their rate to be frozen for the next 5 years	Yes comply
19	All consumables required for installation and standardization of system to be given free of cost	Yes comply
20	Environmental Factors :	
1	The unit shall be capable of being stored continuously in ambient temperature of 0 – 50 deg C and relative humidity of 15 – 90%.	Yes comply
2	The unit shall be capable of operating continuously in ambient temperature of 10 – 40 deg C and relative humidity of 15 – 90%.	
3	Shall meet IEC-60601-1-2 : 2001 (Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility or should comply with 89 / 366 / EEC; EMC – directive.	Yes comply
	Power Supply :	
1	Power input to be 220 – 240 V AC, 50 Hz fitted with Indian Plug.	Yes comply
		Yes comply
vii	Standards, Safety and Training :	
1	Shall be US FDA and European CE approved product.	Yes comply
2	Shall meet the safety requirements as per IEC-60601-2-27: 1994 – Medical Electrical Equipment – Part 2 : Particular requirements for the safety of electrocardiographic monitoring equipment.	Yes comply
3	Manufacturer / Supplier should have ISO Certification for quality standards.	Yes comply
4	Should have local service facility. The service provider should have the necessary equipments recommended by the manufacturer to carry out preventative maintenance test as per guidelines provided in the service / maintenance manual.	Yes comply
viii	Documentation :	
1	User Manual in English.	Yes comply
2	Service Manual in English.	Yes comply
3	Compliance Report to be submitted in a tabulated and point wise manner clearly [illegible] sheet. Any point, if not substantiated with authenticated catalogue / manual, will not be considered.	Yes comply
4	List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.	Yes comply
5	List of important spare parts and accessories with their part number and costing.	Yes comply

For MEDEX INDIA (P) LTD

Direct

6	Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.	Yes comply

Multi Parameter Monitor with Central Monitoring & upgradable charting system

S. No.	Item Description	Our Compliance
		Make: Nihon Kohden
		Model: CSM 1502
1	Advanced high-end modular patient monitor having integrated non-invasive, invasive measurement & features suitable for neonate, pediatrics & adult patients. It should be a proper modular monitor with interchangeable modules or servers	Yes Comply
2	The monitor should have a highly visible, bright 15" color TFT, full touch screen, and display for easy viewing from a distance. It must be a proper modular monitor with swapable module with facility to transfer data from one monitor to another just be swapping modules -	Yes Comply
3	The monitor must have the facility to display min 06 waveform or more, along with related numerical parameters on a single screen.	Yes Comply, with 15 waveform
4	Monitors must be able to monitor ECG, Sp02 (masimo-SET with PI)/Nellcore/any other similar technology, NIBP, Respiration, temperature and 2 x IBP as standard parameters. ECG, Respiration, NIBP, Sp02, 2 x Invasive pressure and Temperature should be monitored through one server module.	Yes Comply with Nihon Kohden Blue Pro SPO2 technology. Inventor of Pulse Oximetry principal
5	Should have the option of integrating 6 inches in the transport module with a bedside monitor for shifting the patient without any disconnection of cables/ wires with seamless data transfer to the main bedside monitor and minimum 4-5 hrs battery backup. Transport Monitor's screen should remain reflecting waveforms and parameters when connected to the main monitor	Yes Comply , 5.7 Inch Transport monitor with 5 hrs battery backup
6	Monitor must be Upgradable to minimal invasive continuous cardiac output (CCO), NMT Module, Etco2, 4 IBP, EEG module, SPo2, & Sedline (BIS) Monitoring with 4 channel EEG & Etco2 (main stream). Thirdparty device integration will not be accepted	Yes Comply. Upgradable to minimal invasive continuous cardiac output (CCO),NMT Module, Etco2, 4 IBP, EEG module, SPo2, & Sedline (BIS) Monitoring with 8 channel EEG & Etco2 (main stream).
7	Below modules with standard accessories must be provided with 10 monitor set with accessories	
	1. Etco2 (Mainstream)- 3nos	Yes Comply
	2. Transport module with standard accessories- 1 nos	Yes Comply, 72 hrs data
	4. EEG (with aEEG trend graph for all channels)- 4 channel-1	Yes Comply
8	System must have minimum 48 hours review data including graphical and tabular trends, arrhythmia event recalls.	Yes Comply
9	Monitor must have the time linked review function. Monitor must show the waveforms for the time when the arrhythmia occurred in case of arrhythmia recall.	Yes Comply
10	Monitor must have facility to display 12 lead ECG	Yes Comply
11	Monitor should have 12 lead ST segment calculations	Yes Comply
12	Central Monitor must be provided with 10 monitors and should use single network for all kind of networking with the central station or other hospital information system (HIS).	Yes Comply
	It must have 120 hours or more of trends facility during and after hospitalization with 24-inch or bigger screen monitor.	Yes Comply
	1. Should monitor physiological parameters of patient's centrally in Intensive care unit.	Yes Comply
	3. Display size should be min 24" or bigger	Yes Comply
	4. Shall be able to display all waveforms of a particular monitor in real time regardless of monitor's waveform capability. Central station should have auto sector resizing facility to utilize unused sector's space.	Yes Comply
	6.Should display: Patient Name, Bed number, arrhythmia messages, ST limit violations, alarm messages, HR, PVC, ECG lead label etc. Should have facility set alarms all alarms from central station.	Yes Comply
	7. Should have facility to configuring screen layout for easy viewing of all parameters for a particular bed for critical patients.	Yes Comply

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	8.. Should be able to review & Print following patient information: Graphic trends, tabular vital signs, arrhythmia history events and other critical alarms.	Yes Comply
	10. Should have 120 hours or more of trend storage facility during and after hospitalization of patients.	Yes Comply
	11: Should have infinite events storage facilities.	Yes Comply
	12.Should have ability to remotely manage patient monitors, including viewing active or historic data, and remotely configuring NIBP interval and start/stop function.	Yes Comply
	13. Reports can be printed on A4 SEET of papers and central station should have capability to send data ECG machine system for analysis of ecg .	Yes Comply
	14.Central monitor should be cable taking print command from bed side patient monitors.	Yes Comply
	15. Central monitor should be capable for sending data in hl 7 format	Yes Comply
	16.Should display graphic trends of up to 16 different parameters	Yes Comply
	17. Should Have battery backed up of 1 hour with UPS	Yes Comply
	18.Should have the facility to be connected with printer	Yes Comply
	19: Should have the facility to resize sectors to use unused space of the central monitor	Yes Comply
	20. Should have upgradable to integrate the Hospital information system and lab information system to the central station.	Yes Comply
	21.Should have the ability to group parameters for graphic trends in user-defined groupings.	Yes Comply
	22.Should have the ability to customize user-specific views and access them on one mouse click.	Yes Comply
	23.Should have full disclosure facility of 48 hours .	Yes Comply
	24. Should have Web and mobile viewing facilities to monitor each network monitor on any mobile Phone (IOS/Android (optional)	Yes Comply
	~~25. Central Monitor Must have bed expansion facility -- If extra monitors are added in the same can be added to the existing central adding extra bed licenses.~~	Yes Comply
	26.Central Monitor station Must have a networking facility to connect with different central stations of another ICU for communication and display parameters.	Yes Comply
	27. Should have 24/7 toll free customer care number for support	Yes Comply
	28. Should be CE /US FDA/CDSCD/ISO13485 certified.	Yes Comply
	29. Should be provided with a printer.	Yes Comply
	30. Networking and cabling should be done by vendors.	Yes Comply
	31. Should have 05 years warranty with option for CAMC after 05 years.	Yes Comply
13	The monitor must be U. S. FDA / European CE / CDSCO /BIS approved	Yes Comply
14	30 Nos of monitor to be supplied with following items :	Yes Comply
	Basic Module foe all seven parameter (ECG,SPO2,RESPIRATION,TEMP,NIBP and IBP-2 ports)-30 modules(27 module + 3 transaport module)	Yes Comply
	a. 5/10 Lead ECG electrode cable- 30 Nos (30 x 1No. each)	Yes Comply
	b. Disposable ECG electrodes -900 nos in total (30 pcs x30)	Yes Comply
	c. Sp02 probe with cable --55 Nos in total (30 Adult,15 pediatrics and 5 neonatal size	Yes Comply
	d. Reusable NIBP cuffs for Pediatrics and neonates — 55 Nos in total (30 Adult,15 pediatrics and 5 neonatal size	Yes Comply
	e. Temp Probe — 30 Nos. skin	Yes Comply
	f. IBP connection cable — 60 Nos.(2Nos x 30)	Yes Comply
	g. IBP Disposable Pressure Transducers — 150 Nos	Yes Comply
15	Patient Monitor supplier firm should be capable to upgrade the ICU with Electronic Charting and integration with other ICU equipments like Ventilators and Syringe Pumps etc. Price for per bed ICU integration with electronic charting to be quoted separately.	Yes Comply
16	Warranty 5 years and CMC for 5 years	Yes Comply
17	High quality wall mount to be provided with. Fitting should be vendor's responsibility	Yes Comply
18	List and price of all spares and consumable parts to be provided and their rate to be frozen for the next 5 years	Yes Comply
19	All consumables required for installation and standardization of system to be given free of cost	Yes Comply
20	~~Environmental Factors :~~	
1	The unit shall be capable of being stored continuously in ambient temperature of 0 – 50 deg C and relative humidity of 15 – 90%.	Yes Comply
2	The unit shall be capable of operating continuously in ambient temperature of 10 – 40 deg C and relative humidity of 15 – 90%.	

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3	Shall meet IEC-60601-1-2 : 2001 (Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility or should comply with 89 / 366 / EEC; EMC – directive.	Yes Comply
21	**Power Supply :**	
1	Power input to be 220 – 240 V AC, 50 Hz fitted with Indian Plug.	Yes Comply
22	**Standards, Safety and Training :**	
1	Shall be US FDA and European CE approved product.	
2	Shall meet the safety requirements as per IEC-60601-2-27: 1994 – Medical Electrical Equipment – Part 2 : Particular requirements for the safety of electrocardiographic monitoring equipment.	Yes Comply
3	Manufacturer / Supplier should have ISO Certification for quality standards.	Yes Comply
4	Should have local service facility. The service provider should have the necessary equipments recommended by the manufacturer to carry out preventative maintenance test as per guidelines provided in the service / maintenance manual.	Yes Comply
23	**Documentation :**	
1	User Manual in English.	Yes Comply

Radiant Warmer

S. No.	Item Description	Our Compliance	Our Compliance
		Make: BPL	Make: Phoenix
		Model: BPL Floret 1000	Model: NWS 101 With attached bed
1	Should have microprocessor-based heater control and manual modes of operation.	Yes, complies	We Comply
2	Should have user friendly touch sensitive control panel with large easy to read LED displays for actual and set temperatures.	Yes, complies	We Comply
3	Should have Quartz Infrared Heater/ Calrod Heater with parabolic reflector / J shaped reflector for uniform heat radiation and the over head unit should be insulated .	Yes, complies	We Comply
4	The heater unit should be protected by a suitable grill.	Yes, complies	We Comply
5	The heater unit should be swiveling type/ recessed heater type and should be able to position effortlessly for performing various procedures including X rays etc .	Yes, complies	We Comply
6	The probes should be detachable type and should be supplied as 2nos for each machines. The probes should be covered under warranty and CAMC.	Yes, complies	We Comply with 2nos probes for each machine
7	Should have memory back up to retrieve set data against power failure	Yes, complies	We Comply
8	Should have calibration free temperature sensors.	Yes, complies	We Comply
9	The heater should automatically cut off at 38 degree Celsius irrespective of the set parameters.	Yes, complies	We Comply
10	Should be mounted on four smooth running swiveling casters with integrated brakes.	Yes, complies	We Comply
11	Should have a monitor stand and IV drip pole.	Yes, complies	We Comply
12	Should have alarms with visual indicators for the following		We Comply
	I. Temp high	Yes, complies	We Comply
	II. Temp low	Yes, complies	We Comply
	III. Probe failure	Yes, complies	We Comply
	IV. Power failure	Yes, complies	We Comply
13	Should have an examination light with ON/OFF switch.	Yes, complies	We Comply
14	Should be provided with integrated baby bed system with cassette tray compatible for taking X-ray	Yes, complies	Ww Comply
15	Should be provided with withdraw able bed with head raising facility on both end.	Yes, complies	We Comply
16	Should be supported with easily removable side flaps.	Yes, complies	We Comply
17	The unit should be made of mild steel tubular structure pretreated and powder coated.	Yes, complies	We Comply

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18	Should work with input 200 to 240Vac 50 Hz supply.	Yes, complies	We Comply
19	Should have safety certificate from a competent authority CE / FDA (US) /BIS/ISO. Copy of the certificate / test report shall be furnished along with the technical bid.	Yes, ISO certified company	We Comply

CTG with fetal doppler

S. No.	Item Description	Our Compliance
		Make: BPL
		Model: FM9853
	10.2 inches color TFT/LCD Screen with tilt adjustment up to 90 degrees	Yes, BPL FM 9853 has 12.1" high resolution colour TFT display with tiltable screen upto 900
	Wired/Wireless probes (No wires with FHR, Toco Probes & Movement Marker	Yes, Wired FHR, Probes, TOCO Probes and Event Marker offered
	Zero Maintenance.	Yes, complies
	Waterproof Probes.	Yes, complies
	Touch Screen functions/Keypad interface , easy to operate, Long Life	Yes, Keypad interface with functional keys available
	CTG Scoring Facility.	
	Automatic CTG Reporting.	Yes, complies
	High sensitive transducer for FHR detection.	Yes, BPL FM9853 has high sensitivity probes that enables user to monitors foetus>12 weeks and provide versatility in clinical settings
	14 Elements / Crystals, Broad beam technology.	Yes, BPL FM9853 has Multi-crystals, pulsed doppler , high sensitively transducer
	1-3MHz Pulse Doppler transducer.	Working frequency of the pulse doppler transducer is 1.0MHz
	Battery Backup of 4 hours.	
	Patient storage data of 24 hours with playback & printing facility Basic Parameters: FHR, TOCO, Event Marker.	Yes, complies
	Inbuilt Thermal Printer.	Yes, thermal printer in BPL FM9853 facilitates easy availability of printed results
	Interface of Parameters of FHR, TOCO,FM with wave form& digital display simultaneously.	Yes, BPL FM9853 monitors and displays FHR, TOCO, and foetal movement
	Real time, accurate& reliable result.	Yes, complies
	Compact design, extremely light weight, 4 Kg, Easy to carry & space saving	Yes, complies
	Low Ultrasound power, safe to fetus.	Yes, complies
	Wide range of applying voltage (100-240 V)	Yes, complies
	B.Specifications for Hand Held Fetal Doppler	**Compliance with BPL FD9714**
	1.1. Safety: Complies with: IEC 60601-1:1988 +A1:1991 -FA2:1995	Yes, complies
	1.2. Harmful Liquid Proof Degree:	Yes, complies
	1.3. 1.6. Probe: Prevent from water splashing(water proof), degree of protection: IPX4.	IP22 Ingress
	1.4. Degree of Safety in Presence of Flammable Gases: Equipment not suitable for use inpresence of flammable gases.	Yes, complies
	1.5. Working System: Continuous running equipment.	
		Yes, complies
	1.7. Suitable Using Range: Suitable for use after the 12th week of pregnancy	Yes, the high sensitivity probe enables user to monitors foetus>12 weeks and provide versatility in clinical setting
	1.8. Display: LCD display of real-time fetal heart rate and low battery indicator.	Yes, complies

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	1.9. Active noise reduction for clear foetal heart sound	Yes, complies
	1.10. Should have built in Loudspeaker	Yes, provides an audible simulation of the foetal heartbeat in more accurate and sensitive manner
	1.11. Alarm when FHR out of normal range.	Yes, alarm range available for high limit and low limit
	2. FHR Performance	
	2.1. FHR Measuring Range: 50-240BPM (BPM: beat per minute)	Measurement range: 50-210 bpm
	2.2. Resolution: 1BPM	Yes, complies
	2.3. Accuracy: ±2BPM	Yes, complies
	2.4. Auto Shut-OFF: After atleast 3 minute no signal, power off automatically.	
	3. Probe:	
	3.1. Nominal Frequency: 2.0MHz	Working frequency 1.0MHz
	3.2. Probe Cable Length minimum 3.0m	Yes, complies
	3.3. Working Frequency: 2.0MHz±10%	Working frequency 1.0MHz
	3.4. Working Mode: Continuous wave Doppler	Yes, complies
	4. Standards, Safety and Training:	
	4.1. Should be FDA or CE or BIS approved product.	Yes, European CE certified
	4.2. Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements.	Yes, complies
	4.3. Manufacturer/Supplier should have ISO certification for quality standards.	Yes, complies
	5. Power Supply	
	5.1. Power input to be 220-240VAC, 50Hz model with Indian plug	Yes, complies
	5.2. In-built rechargeable battery backup that is concealed in the unit and recharges automatically when connected to AC mains.	Yes, complies
	6.Documentation	
	6.1. User Manual and Service manual in English must be provided.	Yes, offered
	7.Installation, Commissioning and Testing,.	
	7.1. The equipment and all accessories should be transported, installed, tested and commissioned at the Department of Obst. & Gynae, Jawaharlal Institute of Postgraduate Medical Education and Research, Pondicherry 605006 free of cost.	Yes, noted
	8.Warranty and After Sales Service:	
	8. 1.The Equipment including monitor and all accessories including bought out items should be under WARRANTY for a period of 5 YEARS after successful commissioning.	Yes, noted
	9. Other tender conditions	
	9.1. Suppliers should have been in the market for at least 3 years and should have a satisfied user base for this equipment.	Yes, noted
	9.2. All Essential Spare parts / Consumables rates to be given separately which may be freezed for next 10 Years	Yes, noted

Table Top Pulse Oximeter

S. No.	Item Description	Our Compliance
		Make: BPL
		Model: OXYVIEW
	1. Should have plethis-mographic wave form with numeric display for SPO2 and Heart rate on LCD/TFT display screen	with numeric values for SpO2 and pulse rate on LCD display
	2. Should have a SPO2 range of 0 to 100%.	Yes, complies
	3. Should have SPO2 accuracy of ±2%.	Yes, complies
	4. Should provide bar graph for pulse strength.	Yes, complies
	5. Audio and visual alarm for both upper and lower SPO2, Heart rate.	Yes, complies

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Director

	6. Should quote rate separately for Reusable Adult Probe.	Yes, noted
	The rates offered will be taken for evaluation. (Rate will be fixed for 3 years)	Yes, noted
	7. Beep sound and alarm sound should have separate volume control	Yes, complies
	8. Should have a minimum of 2 hours back-up time	Yes, BPL OXYVIEW has rechargeable lithum battery with 3 hours working time
	9. Should be a portable, light weight and desktop model with adult, pediatric and Neonatal modes.	Yes, Oxyview can be used for Adult/Peadiatric/Neonatal applications
	10. Should work with input 200 to 240Vac 50 Hz supply.	Yes, complies
	11. Should have trend data of at least 24 hrs.	Yes, has trend data for 100 hours
	12. Should provide with reusable finger probe with technology from standard reputed companies like Massimo, Nellcore or equivalent and must be supplied with atleast 2 nos of adult probe and 2 nos pediatric reusable	Yes, Nellcor SpO2 technology offered
	13. Should have safety certificate from a competent authority CE / FDA (US) /STQC CB certificate / STQCS certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid	Yes, ERTL test report available
	14. Rate of one forehead disposable SPO2 sensor should be quoted separately (if available)	Yes, noted

Anaesthesia Workstation

S. No.	Item Description	Our Compliance
		Make: Penlon
		Model: Prima 465 with AGM (with O2) and Active AGSS
	I. Operational Requirements	
	1. Anesthesia machine complete and integrate with anesthesia gas delivery system; Circle absorber system; Precision vaporizer for isoflurane and sevoflurane; Anesthesia Ventilator, Monitoring system To monitor anesthesia gases, ECG, EtCO2, FiO2 (online 02 Analyzer), Pulse Oximeter and airway pressure, NiBP, IBP,	Yes, Penlon Prima 465 Premium Anaesthesia Wokstation is integrated with anesthesia gas delivery system, Circle absorber system and Ventilator. Prima 465 is offered with Isoflurane and Sevoflurane Vaporizers - 01 no. each Prima 465 is offered with BPL ExcelSign E17 Modular Monitor with capability to monitor 5-lead ECG, Nellcor SPO2, SPO2, NIBP, Dual IBP and Temperature
	1. Rectal &skin temperature.	Yes, complies
	2. Essential accessories to make the system compete and compatible with the existing system of gas outlet.	Yes, complies
	II. Flow management	
	1. Should be compact, ergonomics & easy to use.	Yes, complies
	2. Machine should provide with electronic gas mixing	Yes, complies
	3. Integrated Multi-Color Touch Screen TFT display of at least 12" size, with virtual flow meter for 02, N20 – or Air	Yes, Prima 465 has 12" color touch screen display and virtual flowmeters
	4. Single [illegible] and inflation port.	Yes, complies
	5. Should have back up O2 control which provides' an independent fresh gas source and flow meter control in case of electronic failure (Auxiliary flowmeter).	Yes, complies
	6. One number yoke each for O2 and N2O. Separate pipeline inlet for oxygen, Nitrous Oxide and Air.	Yes, complies
	7. Hypoxic Guard to ensure minimum 25% 02 across all 02-N20 mixtures and oxygen failure warning.	Yes, complies
	III. Breathing System	

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	1. Latex free autoclavable @ 134 degree Celcius and allow breathing system dismantling by user without the help of any tools	Yes, complies
	2. Flow sensing capability at inhalation or exhalation ports, sensor connections shall be internal to help prevent disconnect	Yes, complies
	3. Sensor should not require daily Maintenance	Yes, complies
	4. Bag to vent switch shall be bi-stable and automatically begins mechanical ventilation in the ventilator position	Yes, complies
	5. Adjustable pressure limiting valve shall be flow and pressure compensated	Yes, complies
	IV. Standard circle absorber system	
	1. Should have adjustable pressure limiting valve, breathing circuit pressure measuring device	Yes, complies
	2. Should have a bag/ventilator selecting valve integrated onto the absorber	Yes, complies
	3. Should be suitable to use low flow techniques	Yes, complies
	4. Facility to attach oxygen sensor	Yes, complies
	5. Should have CO2 absorbent chamber canister with CO2 bypass	Yes, complies
	V. Vaporizers	
	1. New generation vaporizer must be isolated from the gas flow in the off position and prevent the simultaneous activation of more than one vaporizer	Yes, complies
	2. Vaporizer should mount to a selectatec or equivalent manifold of two vaporizers, which allows easy exchange between agents. Temperature, pressure and flow compensated vaporizers and maintenance free — for isoflurane, Sevoflurane and Desflurane.	Yes, complies
	VI. Ventilator (integrated)	
	1. The workstation should have integrated anesthesia ventilator system for adult and pediatric.	Yes, complies
	2. Ventilator should have volume control and pressure controlled, SIM V/P, CPAP PSV, PRVC/PCVVG/ Auto flow and PEEP.	Yes, complies
	3. Ventilator should have a tidal volume compensation capability to adjust for losses due to compression, compliance and leaks; and compensation for fresh gas flow.	Yes, complies
	4. The workstation should be capable of delivery of low flow anesthesia.	Yes, complies
	5. Ventilator should be capable of at least 110L/min peak flow.	90L/min peak flow available
	6. Ventilator should have guided self test with facility to do full test as well as individual test	Yes, complies
	7. It should have an option /mode to show the efficiency of fresh gas flow setting while used in low and minimal flow that will prevent of any fresh gas deficit or chance of getting hypoxic mixture during minimal flow or Provision for display of safe level of Oxygen to be delivered into circuit to maintain a specific FiO2 at patient end especially useful while conducting minimal flow anaesthesia and controlling fresh gas flow manually when integrated with Anaesthesia Gas monitoring Module	No fresh gas efficiency indicator, only basal flow of O2 & electrnic hypoxic guard to ensure optimal FIO2
	VII. Anesthesia monitoring system should be modular:	**BPL ExcelSign E17**
	1. Monitoring of vital parameters; ECG (5 Leads) with ST segment analysis, NIBP, SPO2 and 2 invasive blood pressure & Spirometry with display of flow volume loop (Either in Ventilator or Patient Monitor). Monitor size should be atleast 15" touch screen..	Yes, the offered ExcelSign E17 Patient Monitor is offered with 5-lead ECG, NIBP, SPO2, 2 IBP and BIS The monitor has 17.1" color touch screen
	2. Twin temperature measurement with skin and rectal probes - Two set with each monitor.	Yes, offered
	3. Automatic identification and measurement of anesthetic agents, EtCO2, O2, FiCO2, N2O, MAC value FiO2 and FeO2 measurement (Should work either in Ventilator or in patient monitor).	
	4. Depth of Anesthesia monitoring module BIS/ ENTROPY - one per monitor with 20 sensors with minimum 10 months shelf life.	Yes, BIS module offered
	5. Neuromuscular monitoring with all accessories.	Yes, NMT offered
	6	
	7. 24 Hours of graphical and numerical trending	Yes, complies
	8. Should have a detachable monitor module that serves as a transit monitor/ separate monitor with the following parameters SPO2, ECG and IBP.	Partially comply
	9. Facility for storing snaps shot/ event recording during critical events for ...	Yes, complies
	10. Audio visual and graded alarming system.	Yes, complies
	VIII. Display of ventilator	
	1. Tidal volume (VT)	Yes, complies
	2. Inspiratory /Expiratory ratio (I:E).	Yes, complies
	3. Inspiratory pressure (P Inspired)	Yes, complies

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	4. Pressure limit (P limit)	Yes, complies
	5. Positive End Expiratory Pressure (PEEP)	Yes, complies
	6. Ventilator waveform	Yes, complies
	IX. The equipment should have the provision for Centralized monitoring and Networking & must be Provided with charting software and necessary hardwere	Yes
	X. System Configuration Accessories, spares and consumables	
	1. Anaesthesia Gas Delivery system -01	Yes, offered
	2. Circle absorber -.01	Yes, offered
	3. Ventilator -01	Yes, offered
	4. Monitor -01	Yes, offered
	5. Vaporizer Sevoflurane -01	Yes, offered
	6. Vaporizer Isoflurane -01	Yes, offered
	7. Adult and Paediatric autoclavable silicone breathing circuit -02	Yes, offered
	8. Reuseable IBP cable – 2 nos and disposable IBP Transducer -10	Yes, offered
	9. Temp probe Skin reusable -02	Yes, offered
	10. Temp probe Rectal Reusable -02	Yes, offered
	11. Accessories Anaesthetic gases -01 set	Yes, offered
	a. sample line – 10 nos	Yes, offered
	b. water trap – 10 nos	Yes, offered
	12. Depth of Anaesthesia Sensors – 20	Yes, offered
	13. Anesthesia Charting software and hardwere	Yes, offered
	14. Accessories for neuromuscular transmission monitor -01 set	Yes
	15. ECG 5 lead – 1 No, SPO2 Reuseable Adult – 1 No, NiBP tubes and cuffs 3 sizes (Medium, large and Extra large)	Yes, offered
	16. Disposable Adult & Pediatric circuits -10 each	Yes, offered
	17. HME filters -20 Nos	Yes, offered
	18. Microstream / Side stream ETCO2 disposable kit for adult-25 nos, paediatric – 2 nos.	Yes, offered
	19. Should have retractable/ foldable writing tray to provide in case of insufficient writing surface	Yes, offered
	20. Desflurane – The rate to be quotated as optional (Not taken for evaluation)	Yes, offered
	XI. Environmental factors	Yes, noted
	1. Environmental factors Machine should have facility to connect to active AGSS (Anaesthetic Gas Scavenging System/port) at the user institution if a working scavenging system provided by the user is available. The key plug for AGSS should be provided by the user institution. Should also supply passive scavenging tube.	Yes, offered
	XII. Power Supply	
	1. Power input to be 220-240VAC, 50HZ/ as appropriate fitted.with Indian plug.	Yes, complies
	2. UPS of suitable rating shall be supplied / in built battery backup for minimum 1 hour for the entire system. Atleast two auxiliary power outlets should be available with switch or Circuit breaker.	Yes, Prima 465 has in-built battery with backup of 90 minutes
	XIII. Standards, Safety and Training	
	1. Should have safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.	Yes, European CE certified
	2. The Anaesthesia machine and Ventilator should be from one manufacturer.	Yes, complies
	3. Certificate of calibration and inspection from factory shall be provided.	Yes, complies
	4. Should supply with 5 kg Soda Lime along with machine	Yes, offered

Surgical Diathermy

S. No.	Item Description	Our Compliance

For MEDEX INDIA (P) LTD

Direct

		Make: BPL
		Model: SurgiX E2
	1. The unit should have mono-polar and bi-polar modes.	Yes, complies
	2. Should be compatible for both open and laparoscopic surgery.	Yes, complies
	3. Should have facility to connect two mono-polar electrodes.	Yes, complies
	4. Should have digital display/LCD touch screen of power settings for bipolar and mono-polar cut and coagulation modes.	Yes, complies
	5. Should have return electrode contact safety.	Yes, complies
	6. Should have different audible alarm for cut and coagulation modes.	Yes, complies
	7. Should have maximum range mono-polar cut power of at least 300 Watts variable in steps.	Yes, complies
	8. Should have mono-polar coagulation power 120 Watts variable in steps.	Yes, complies
	9. Should have maximum bipolar coagulation power of at least 50 in steps.	Yes, complies
	10. The unit should be provided with suitable power cord and should be compatible with Indian standard wall socket.	Yes, complies
	11. Should have a volume control for the audible alarm.	Yes, complies
	12. Should be supplied with reusable flexible silicon rubber patient return plate with return electrode safety 1 No.	Yes, complies
	13. The performance of the unit should not be affected by electro-magnetic interference radiated or conducted through power lines from another device	Yes, complies
	14. The working of the equipment should not interfere with the functions of other devices.	Yes, complies
	15. Should have European CE with 4 digit notified body certified / US -FDA and ISO 9001:2015 and ISO 13485:2016/BIS/CDSCO . Also, provide IEC 60601-1-1, IEC 60601-2-2, and EMI / EMC Compatibility Standard: IEC 60601-1-2 for Electrosurgical Generator	Yes, European CE certified
	~~16. Standard accessories to be supplied along with each equipment~~	
	1. Should be supplied with disposable 3 pin hand pencil 10 nos. with cable.	Yes, offered
	2. Should be supplied with reusable mono-polar active handle with cable compatible for foot operation. (with complete set of electrodes) - 5 nos.	Yes, offered
	3. Should be supplied with reusable insulated bayonet shaped bipolar hand piece with cable compatible for foot operation - 2 no	Yes, offered
	4. Should be supplied with color coded pedals water proof foot switch for mono polar and bipolar.	Yes, offered
	5. Additional Patient Plate Cable-1 No	Yes, offered
	6. Universal Adaptor - 1 No	Yes, offered
	7. Laproscopy cable, Monopolar & Bipolar - HF - 2 Nos each	Yes, offered

Defibrillator with Cardiac Monitor

S. No.	Item Description	Our Compliance
		Make: BPL
		Model: RELIFE 900
	1. Biphasic, Manual and AED with voice prompt, compact and light weight	RELIFE 900 is a portable biphasic defibrillator/monitor that combines a 300-joule defibrillator and has s AED mode that guides step by step with the aid of on screen display messages and voice messages.
	Energy selection 2J to 300J in steps	Yes, energy can be selected from 2-300 Joules
	4. Should have adult and pediatric paddles integrated on same handle.	Yes, complies
	5. Momentary charge key on front panel and on the apex hand.	Yes, complies
	6. Should have colour display for heart rate of size 7 inches or more	Yes, BPL RELIFE 900 has 7" Colour TFT screen to display heart rate
	7. Should have disarm facility.	Yes, complies

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	8. Energy should be delivered within 30ms after the detected R wave in synchronization mode.	Yes, complies
	9. Charging time maximum 8 sec for 360J.	Yes, approx 8 seconds from 300J
	10. Should have battery backup for 100 discharges of 360 J.	Yes, BPL RELIFE 900 has a battery capacity of > 100 discharges of 300 Joules
	11. Should have ECG inputs through paddles or 3 lead cables.	Yes, complies
	12. Should have display for selected ECG input source(I, II, III, paddles)	Yes, complies
	13. Lead off message should appear with alert tone.	Yes, complies
	14. Amplitude gain of ECG waveform should be adjustable	Yes, complies
	15. Monitor should display selected and delivered energy	Yes, complies
	16. Should have alarm for high and low HR.	Yes, complies
	17. Should have an inbuilt thermal recorder.	Yes, complies
	18. Should have enable/disable option for printer.	Yes, complies
	19. Should supply 2 bottles of jelly, 12 roll of thermal paper and must be mounted on a mobile trolley with accessories tray .	Yes, offered
	20. Should supply three pairs of AED pads and the prices of AED Pads should be quoted separately which will not be taken for evaluation.	Yes, noted
	21. Should operate on mains 230V, 50Hz Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission / FDA (US)/ CDSCO/BIS and a valid detailed electrical and functional safety test report from ERTL. Copy of the certificate/ test report shall be produced along with the bid	Yes, complies BPL RELIFE 900 is European CE certified and CDSCO approved

High End Colour Doppler System

S. No.	Item Description	Our Compliance
		Make: ALPINION
		Model: XCUBE 60
	The units should be latest state of the art digital color Doppler with broadband beam forming for abdominal vascular, Obs, & Gynae, Pediatric, Musculoskeletal, and small parts application. The models with following (or higher) specifications need to be quoted	Yes, Alpinion XCUBE 60 is a a recently launched premium color doppler system suitable for whole body imaging applications including abdominal vascular, Obs, & Gynae, Pediatric, Musculoskeletal, and small parts application.
	The machines should be USA FDA/ European CE /BIS/CDSCO certified and should be latest in Technology and launched in 2020 or later.	Yes, XCUBE 60 is European CE and US FDA certified. XCUBE 60 is alos CDSCO approved pproduct
	They should have at least 40,00,000 or more digital processing channels for high –resolution imaging and Fast Scanning	XCUBE 60 has 38,22,932 digital processing channels
	Imaging Modes:	
	2D, M- Mode, color flow imaging, pulse Doppler, continuous wave Doppler, power Doppler and directional color flow mapping	Yes, complies
	3D/4D - MPR Display format/Ref. Plane/3D Orientation/ Edit ROI /Render Setup: Surface, Depth, Max, Min, XRay, Light, Light2 /Cine/Cine Calc/Multislice/HDLive/Vocal/Any slice/STIC	Yes, complies
	The machines should have facility for simultaneous dual/ duplex/ triplex mode display	Yes, complies
	Tissue harmonic imaging should be available on convex, linear, and endo cavity transducers	Yes, complies
	Machines should be capable of advanced real time compound imaging on linear, curved array Probes.	Yes, complies
	The machines should have facility for real time fetal echocardiography with high frame rate to capture the fast-beating fetal heart – 2000 Frames or more	Yes, XCUBE 60 has 2,800fps 2D frame rate
	Machine should have integrated gel warmer with temperature level settings	Yes, complies

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	High dynamic range of 320 dB or more	Yes, complies
	The machines should have 256 Grey shades (8 bit) or more.	Yes, complies
	The System should have scanning depth of 40cms or More	Yes, XCUBE 60 has scanning depth up to 42 cms
	One touch image optimization should be available in 2 D mode to optimize the image without adjusting multiple parameters.	Yes, XCUBE 60 has XPEED software for one touch auto optimization
	There should be one button automatic adjustment of Doppler PRF, baseline, dynamic range and gain in Doppler mode.	Yes, complies
	Pulsed wave Doppler should be available on all imaging transducers with adjustable sample volume size, simultaneous or duplex mode of operation, simultaneous, 2D, Colour Doppler, pulsed Doppler, Continuous Wave Doppler, high PRF capability in all modes including duplex and triplex and automatic adjustment of scale and baseline.	Yes, complies
	The system should have option to adjust the color flow mode for high or low flows in one touch Operation.	Yes, complies
	Machines should support broad band/ wide band high density probes spanning with frequency range from 1-25 MHz (+/- 1 MHZ). The system should support latest technology single crystal probe for better Uniform resolution and penetration.	Yes, complies
	Automatic Doppler analysis should be available with automatic real time calculation of at least six of following user selectable parameters peak systolic velocity end diastolic velocity, mean diastolic velocity, volume flow, time average mean velocity, time average peak velocity, resistive index, pulsatility index, systolic/ diastolic ratio, acceleration/ deceleration times.	Yes, complies
	Have facility to automatically recognize and measure HC/BPD/FL/AC and calculate Fetal Weight for Obstetric.	Yes, complies
	The machine should have up to 500000 images storing facility and cine loop review facility with memory up to minimum of 20000 frames	Yes, complies
	The machines should have facility of direct storage and retrieval of B/W and color images (both frozen and cine loop) in the inbuilt hard disk drive.	Yes, XCUBE 60 has integrated 250GB SSD and 1TB HDD
	In built hard disk storage should be equal to or more than 1 TB Preferably Solid-State Device.	
	The machines should support three or more Active and 1 parking slot transducers with universal ports allowing any transducer to be connected to any port.	Yes, XCUBE 60 has 4 active transducer ports
	Machines should have a high resolution fully articulating non-interlaced flicker free, antiglare LED display of 21 inches or more. Machine should have touch screen control panel of 12 inches or more for easy accessibility	Yes, XCUBE 60 has 21.5" high definition LED monitor with articulated arm and 12" color touch screen on control panel for easy access.
	The System should have electronically Controlled UP & Down movement of Control panel to adjust to the user requirements and side by side rotation.	Yes, complies
	Max. Frame rate (Probe dependent) - 2D: minimum2,500 (Hz/FPS) - Color: 500 (Hz/FPS) - Volume: 45 (Hz/VPS)	Yes, complies
	The system should have image enhancement options like speckle reduction, Spatial compounding, and filtered tissue harmonics. The system should have adaptive blending color to maintain the 2D resolution while working in color mode.	Yes, complies
	Zoom facility with high resolution results and pan capacity in both real time and frozen images	Yes, complies
	The system should have CD-DVD and USB archival (DICOM and PC format). There should be 5 or more USB ports.	Yes, complies
	USB real-time recording should be possible. Videos are recorded as high-definition and stored in system quickly	Yes, complies
	Machine Should be supplied with B/w Thermal Printer and a paper dicom printer .	Yes, offered
	Machine should have 3D/4D Hardware inbuild with the machine	Yes, complies
	Machine should be supplied with 2KVA Online UPS with 30 minutes Back up.	Yes, offered
	The System should carry Warranty for 3 Years	Yes, offered
	Machine should have facility to do contrast imaging in liver studies with TIC Analysis	Yes, complies
	System should have features to show micro vascularity flow at tissue level.	Yes, complies
	Machine should have protocol to reduce number of keystrokes	Yes, complies
	User should be able to compare images with two different probes	Yes, complies
	Machine should be offered with the followingbroad band High Density Probes	Yes, complies
	(i) Single Crystal High Density Convex Transducer of frequency 1-7Mhz – 192 elements	Yes, SC1-7H Single Crystal High Density Convex Transducer with frequency 1.0 to 7.0MHz
	(ii) Single Crystal High Density Linear Array Transducer of frequency 3-19 MHz (+ 1 MHz) – 256 Elements	Yes, SL3-19X Single Crystal Extreme High Density Linear Transducer with frequency 3.0 to 19.0MHz
	[illegible]	Yes, CC2-11X Single Crystal High Density Endocavity Transducer with frequency 2.0 to 11.0MHz
	(iv) Single Crystal Phased array transducer (1.5MhZ)	Yes, P1-5CT Adult Cardiac Transducer offered with frequency 1.0 to 5.0MHz

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ECG Machine 12 Channel

S. No.	Item Description	Our Compliance
		Make: BPL
		Model: CARDIART 9108D
	1. Simultaneous 12 Channel ECG recording with 12 lead simultaneous acquisition	Yes, BPL CARDIART 9108D is a simultaneous 12 channel ECG recording with 12 lead simultaneous acquisition
	2. Should have visual alarm for open lead	Yes, complies
	3. Should have digital display of 7 inches or more for 12 channel ECG	Yes, BPL CARDIART 9108D is a 12 channel ECG machine that has 7 inches TFT LCD Screen
	4. QWERTY Alphanumeric keyboard	Yes, BPL CARDIART 9108D has alphanumeric kwyboard
	5. Built-in ECG Parameters measurements and Interpretation	Yes, BPL CARDIART 9108D has builtin ECG Analysis and Interpretation by Glasgow Algorithm
	6. Minimum 100 ECG Storage inbuilt memory	Yes, BPL CARDIART 9108D has an Internal Memory, which can store up to 800 ECG recordings
	7. 3 Operating modes: Automatic, Manual and Rhythm	Yes, BPL CARDIART 9108D has manual, auto, rhythm, R-R analysis modes of operation
	8. Should have a maintenance free digital thermal array printer	Yes, complies
	9. Printer should work with standard thermal paper (should be available in Local Market)	Yes, complies
	10. Should have 12 lead ECG preview display before taking printouts and should have printer on/off selection.	Yes, complies
	11. Should have ECG lead annotation facility	Yes, complies
	12. Machine should have sufficient battery backup for taking at least 25 nos ECG on a fully charged battery	Yes, BPL CARDIART 9108D has a battery backup for 4 hours with fully charged battery or 300 continuous ECGs print
	13. Should supplied with 2 patient cable sets, 8 clip on electrodes, 12 chest electrode with silicon rubber bulb, 12 packets of recording paper,1 bottle of jelly and 12 nos. reusable button type electrode	Yes, offered
	14. Should operate on mains(220v-50Hz) and rechargeable battery	Yes, complies
	15. Recording speed should be 25 mm/ sec and 50 mm/ sec.	Yes, BPL CARDIART 9108D has recording speed of 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s
	16. Should have defibrillation protection.	Yes, complies
	17. CMRR should be>90dB or ECG machine should have digital processing with atleast 7000 samples per second from each lead wire.	CMRR: ≥140dB (AC Filter is On) ≥123dB (AC Filter is Off) Sampling Frequency: 16,000 Hz
	18. Frequency response 0.05 Hz to 150 Hz.	Yes, BPL CARDIART 9108D has frequency response betweeen 0.01Hz – 300Hz
	19. Should have a digital filter for AC and EMG.	Yes, complies
	20. Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission / FDA (US)/ ISO 13485/CDSCO and STQC S Certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the tender	Yes, BPL CARDIART 9108D is European CE certified and
	21. Should supplied with a suitable Trolley with following specifications	
	a) Trolley should made of Stainless Steel / Powder coated frame with SS 304 grade Top	Yes, complies
	b) Should be a 3-shelf (including the top) cart, one with a drawer for storing the accessories and consumables.	Yes, complies
	c) Should have four superior castors (two with brakes)	Yes, complies
	d) Trolley should have at least 30" height and the shelves should have sufficient space for storing the accessories	Yes, complies

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	e) Top shelves shall be surrounded by railing.	Yes, complies
	f) Trolley should have a suitable cable arm firmly affixed having holder for ECG cables while not in use	Yes, complies
	22. Should have DICOM Output and should be connected with the E-Health Platform	BPL CARDIART 9108D has DICOM output.

Blood Fluid warmer

S. No.	Item Description	Our Compliance
		Make - Helmier (Smiths Medical)
		Model - Hotline
1	Flow Rates should be maximum 1500 ml/ hour	Yes
2	Should have temperature prefixed at 37 Degree Temperature	Yes, Hotline maintains temperature at 37 degree however reservoir temperature can go upto 41 degree
3	Should be easily transportable	Yes
4	Should able to attach to I V pole and standard electrical sockets	Yes
5	Should use dry heat technology/ multichannel counter current heat exchanger/equivalent technology	Yes
6	Should have audible and visual alarms for Temperature	Yes
7	Should have automatic cutoff for set temperature	Yes
8	Should be easy to use and to clean	Yes
9	Calibration certificate should be issued during the installation	Yes
10	5 disposable adult and 1 no. of pediatric warming sets should be supplied along with each machine	Yes
11	Warm up time should be less than 60 seconds	Yes
12	If available- Consumables with built in filter should be provide.	Yes, Consumable available without filter
13	Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission /FDA (US)/CDSCO/ISO Copy of the certificate/ test report shall be produced along with the technical bid.	Yes, US FDA (510k)

Syringe infusion Pump

S. No.	Item Description	Our Compliance
		Make - Helmier
		Model - Graseby 3300
	1.Should have bottom/front /top loading technique.	Yes
	2. Should accept all makes of 5ml, 10ml, 20ml, 50ml & 60 ml syringes with automatic detection of syringe size.	Yes
	3. For 50 ml syringe flow rate should be from 0.1ml/h to 1000ml/hr or more.	Yes
	5.Should have Drug Library of 2000 drugs or more with drug dose calculation.	Yes
	6. Keep Vein Open (KVO) available with a facility to set KVO flow rates and option to keep the function OFF & anti bolus system.	Yes
	[illegible] Occlusion pressure Digital & analog display from 200mmhg to 975mmhg with increment of +150mmhg	Yes
	8. Should have minimum 3.5 inch LCD/TFT bright display Panel with with Provision for display of Occlusion Pressure, flow rate, battery indicator, Drug name & total infused volume all at a time.	Yes
	9. Should have various modes of infusion (Rate mode, Volume Target mode, Volume Time mode, Body Weight mode etc.).	Yes

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	10. Should have Occlusion pressure pre alarm.	Yes
	11. Should have PM line disconnection alarm/Syringe Disengage Alarm	Yes
	12. Should have mains disconnection alarm, low Battery Alarm, end of infusion alarm.	Yes
	13. Battery operating time: Approx 7 Hours or more	Yes
	14. Should have Universal mounting accessary for vertical & horizontal stand.	Yes
	15. Pumps can be stacked with the stacking station	Yes
	17. 20 nos of Stacking rack must be provided along with the entire lot .	Yes
	19. Should be able to communicate with CPMS (Central Patient Monitoring System).& may quote optionally	Yes
	20. Flow /Drive accuracy should be +/- 2%	Yes
	22. Manufacturer should quote to ensure proper after sale services & company should provide the service directly /by channelpartner to ensure maximum uptime of the equipment by local service centre.	Yes
	23.Ingress protection certified IPX3 & have ability to protect from moisture.	Yes
	24. Should have feature like anti bolus system to avoid accidental bolus during occlusion.	Yes
2.Standards, Safety and Training		
	1. Should be FDA/CE/UL/ BIS /CDSCO approved product.	Yes
	2. Manufacturer should have ISO certification for quality standards.	Yes
	3. Comprehensive training for users and support services till familiarity with the system.	Yes
	4. Electrical safety conforms to standards for electrical safety IEC 60601- 1 (Or equivalent International / National standard) general requirement for Electrical safety of Medical equipment.	Yes
	5.The equipment complies with the requirement of the Medical Device Directive of class I equipment and Electromagnetic compatibility; all supporting documents must be provided.	Yes
3. Documentation:		
	1. User / Technical / Maintenance manuals to be supplied in English.	Yes
	2. Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.	Yes
	3. Cost of spare parts, consumables(Battery etc,) and accessories(..if any) which are not covered under warranty & CMC period has to quote in schedule XI as percentage value in the Technical Bid, or else will be consider to be cover throughout the warranty & CMC period.	Yes
	4. Calibration and routine Preventive Maintenance Support as per manufacturer documentation in service / technical manual has to be done throughout the warranty & CMC period.	Yes
	5. Compliance report to be submitted in a tabulated and point wise manner clearly mentioning the page / Para number of original catalogue / data sheet and the offer details has to submit in the technical bid. Any point, if not substantiated with authenticated catalogue / manual, will not be considered.	Yes
	6. Certificate of inspection and quality control indicating the S / N for all non-consumable items with date at the time of installation.	Yes
	7.All the technical specifications accepted in the compliance statement must be supported by Original Literature from the firm/O.E.M with Highlighting, Numbering & flagging in the compliance statement.	Yes
4. Environmental factors:		
	1. Shall meet IEC-60601-1-2:2001 (Or Equivalent BIS) General Requirements of safety for Electromagnetic Compatibility or should comply with 89/366/ECC; EMC-Directive.	Yes
	2. The unit shall be capable of operating continuously in ambient temperature of 30-40 deg C and relative humidity of 20- 90	Yes
	3. The unit shall be capable of being stored continuously in ambient temperature of 10-50 deg C and relative humidity of 20 – 90 %	Yes
4. Warranty and Maintenance		
	1. Warranty for 5 years followed by CMC for 5 years including Spares &service.	Yes
	2. Mandatory 2 PMs / Year with unlimited breakdown calls has to be attended by the bidder/manufacturer throughout the warranty & CMC period at site.i.e. NEIGRIHMS, SHILLONG	Yes
	3. Duly signed Mandatory PM reports has to be submitted periodically, failing which necessary action will [illegible]	Yes

For MEDEX INDIA (P) LTD

Director

Mobile Digital Radiography Systems -5KW or More

S. No.	Item Description	Our Compliance
		Make: Allengers
		Model: MARS-4.2
	Manual Driven, compact, easily transportable digital radiography system with Wireless flat panel detector mobile and inbuilt DAP meter suitable for bedside X-Rays, Intensive care unit and operation theatre use.	Offered unit MARS-4.2 is a High frequency Digital Mobile X-Ray Machine Manual Driven, compact, easily transportable digital radiography system with Wireless flat panel detector and mobile machine suitable for bedside X-Rays, Intensive care unit and operation theatre having following applications. Power output of generator is 4.2 KW.
A	The Generator:	
1	It should be microprocessor controlled high frequency with output 4 KW or more.	Microprocessor controlled high frequency with Power output: 4.2KW. (Better specs)
2	KV range: 40 KV to 110 KV or more.	Radiographic KV Range: 40 to 120KV. (Better specs)
3	Tube current: 100 mA or more.	mA Output (Rad.): Up to 110mA. (Better specs)
4	It should have an electronic timer with shortest exposure time –1sec or less.	Electronic timer with shortest exposure time – 9ms
5	It should have a digital display of mAs and KV.	Digital display of KV and mAs is provided.
B	X-Ray Tube:	
1	Output should match the output of the generator.	Output of the tube matches with the output of the generator.
2	It must be a stationary/rotating anode type.	01 No. Stationary anode X-Ray tube is provided.
3	Single/ Dual Focal Spot	Stationary anode having single focal spots:1.8 mm
4	Anode heat storage capacity should be 40 KHU or more.	An anode heat storage capacity of 42 KHU is provided.
5	Manual collimator should be supplied with the system	01 No. Manual collimator is supplied with the system.
	The detect or pixel matrix should be 3072(h)x2560(v) or more with DQE at least 65%. at 0 lp/mm	The detector pixel matrix 3500 x 4300 with DQE ≥65%. at 0 lp/mm.
	The wireless detector must have a lithium ion battery that allows more than 200 thorax exposures per battery recharge	The wireless detector has a lithium-ion battery that allows ≥200 thorax exposures per battery charge.
	The flat panel detector made up of amorphous silicon with CsI scintillator size at least 14"x17", wireless.	The flat panel detector made up of Amorphous silicon (A-SI) with Conversion screen/ Scintillator: Cesium Iodide (CsI) size 14"x17", wireless.
	The detect or pixel matrix should be 3072(h)x2560(v) or more with DQE at least 65%. at 0 lp/mm (as per corrigendum received)	The detector pixel matrix 3500 x 4300 with DQE ≥65%. at 0 lp/mm.
	Pixel size should be 150 um or less.	Pixel size 100 um is provided
	[illegible] compartment with charging facility / with seprate adoptor.	The machine has provision for detector storage compartment. A battery charge with two nos. of batteries is provided along with the FPD
	The image processing time after exposure should not be more than 5 sec.	The image processing time after exposure is 5 sec.

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	Weight of the detector shouldn't be less than 3Kg	Weight of the detector is 3Kg.
	The wireless detector must have a lithium ion battery that allows more than 200 thorax exposures per battery recharge. (as per corrigendum received)	The wireless detector has a lithium-ion battery that allows ≥200 thorax exposures per battery charge.
	The machine should be able to run on mains . The system should allow at least 150 thorax exposures per battery recharge	The offered unit is operable on mains, 1-Phase 230V (AC-supply) 50/60 Hz, ±10%. The system allows ≥150 exposures
	The machine should have an integrated/ inbuilt console with a TFT touch screen with size at least 12 inches or more .	The machine has an integrated/ inbuilt console with a TFT touch screen with a size of 18.5 inches. (Better specs)
	The console should be able to view the image, and provide post processing features, using touch screen.	The console can be used to view the image, and provide post processing features, using touch screen.
	The post processing features should include zoom, contrast and brightness adjustment etc.	The post processing features include zoom, contrast and brightness adjustment etc.
	It should have storage memory of at least 3000 images.	It has storage memory of >3,000 images. (Better specs)
	The software console should be able to control exposure parameters, generator setting, image processing patient data entry, study selection, printing and Dicom send.Separate consoles are not acceptable.	The software console can control exposure parameters, generator setting, image processing patient data entry, study selection, printing and DICOM send. Noted well & acceptable to us.
	The unit should be mannually driven without battery power.	The unit is manually driven.
	It must have a telescopic / articulated arm for maximum positioning flexibility in any patient position. The angles in various planes to be specified by the manufacturer. The cables should preferably be concealed/ conduit in the arm system. (as per corrigendum received)	"It has articulated arm for maximum positioning flexibility in any patient position. Vertical Travel ≥1386mm Tube Head Rotation Along Horizontal Axis: ±90º Tube Head Rotation Along Tube Axis: +90º, -30º (120º) The conduit cables are used with the arm system.
	The facility for exposures with remote control/ detachable exposure switch should be possible.	The facility for exposures with IR remote control & detachable exposure switch is possible.
	Detachable exposure switch should be supplied with a chord of at least 5 meters.	01 No. Detachable exposure switch is supplied with a cord of length 5 meters.
	A grid of 6:1 ratio with size 14"x17" should be supplied.	A grid of ≥6:1 ratio for detector size 14"x17" is provided inbuilt in the FPD holder. (Better specs)
	The system should have European CE / USAFDA approval/CDSCO/BIS. (as per corrigendum received)	The offered Unit is European CE Certified having Notified body number registered in European Commission. (Copy of CE certificate is enclosed)
	The system offered should have AERB Type approval / NOC for installation and use in India.	Offered unit is AERB approved (Atomic Energy Regulatory Board) (Copy of AERB Certificate is enclosed)
	The machine should be fully network ready and it should be possible to transfer images and patient data from and to hospital network using LAN connectivity or wireless LAN.	The machine is fully network ready and it is possible to transfer images and patient data from one end to the hospital network using LAN connectivity.
	The unit should be able to operate on single phase power supply with facility for voltage adaptation to line voltage 200 to 240 volts, 15 Amp plug.	The offered unit is operable on 1-Phase power supply with plug in facility to any standard wall outlet with automatic adaptation to line voltage 230V (AC-supply) 50/60 Hz, ±10%, 15 Amp plug

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	Dry Imager with 500 dpi resolution or more with 2 universal trays to print films.	01 No. Dry Imager printer with 500 dpi resolution with 2 universal trays to print films is provided.
	the whole unit including x-ray tube, detector all other accessories, batteries and consumables required to run this unit should be guaranteed for five years.	The offered is comprehensively warranted for 05 years including all components.
	C.M.C: After expiry of guarantee/ warranty, CMC should be for five years which includes x-ray tube, detector all other accessories, batteries and consumables (Films) required to run this unit.	Prices of CMC for 05 years are quoted after expiry of warranty period on chargeable basis.
	Retrofitted or refurbished units are not acceptable	Noted well & acceptable to us.

Mobile Digital Radiography Systems- 32 KW

S. No.	Item Description	Our Compliance
		Make: Allengers
		Model: MARS-32DR
	Battery Driven, compact, easily transportable digital radiography system with Wireless flat panel detector mobile for bedside X-Rays, Intensive care unit and operation theatre use.	The offered unit MARS-32DR is Battery Driven, Compact, easily transportable digital mobile radiographic unit with Wireless flat panel detector mobile for bedside X-Rays, Intensive care unit and operation theatre use. System includes the following:
A	**The Generator:**	
1	It should be microprocessor controlled high frequency with output 32 KW or more.	Microprocessor controlled high frequency generator with Power output of 32 KW.
2	KV range: 40 KV to 125 KV or more.	Radiographic KV range: 40kV to 125 kV
3	Tube current: 300 mA or more.	Max. Tube current: up to 500mA *(Better Specs)*
4	It should have an electronic timer with shortest exposure time – 1 ms or less.	Electronic timer with shortest exposure time – 1ms
5	It should have a digital display of mAs and KV.	Digital display of KV and mAs is provided.
B	**X-Ray Tube:**	
1	Output should match the output of the generator.	The output of the tube matches the output of the generator.
2	It must be a rotating anode type with 2700 rpm or more.	01 No. rotating anode with more than 2700 rpm is provided.
3	Dual Focal spot size of X-Ray tube of 0.6 mm and 1.2mm (+.1mm is acceptable)	Rotating anode having dual focal spots: 0.6mm (Small) 1.2 mm (large)
4	Anode heat storage capacity should be 80 KHU or more.	Anode heat storage capacity 300 KHU. (Better specs)
5	Multi leaf collimator should be supplied with the system.	01 No. Multileaf collimator is provided with the system.
C	**Flat Panel detector:**	
1	The flat panel detector made up of amorphous silicon with CsI scintillator size at least 17"x17" wireless	The flat panel detector made up of Amorphous silicon (A-Si) with Conversion screen/ Scintillator: Cesium Iodide (CsI) sizeC959:C965 17"x17", wireless.

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2	The detect or pixel matrix should be 3072(h)x2560(v) or more with DQE at least 65%. at 0 lp/mm	The detector pixel matrix 3072 (h) x 3072 (v) with DQE is more than 65%. at 0 lp/mm.
3	Pixel size should be 150 um or less.	Pixel size 139 µm is provided. (Better specs)
4	The machine should have provision for detector storage compartment with charging facility.	The machine has provision for detector storage compartment. A battery charge with two nos. of batteries is provided along with the FPD
5	The image processing time after exposure should not be more than 5 sec.	The image processing time after exposure is 5 sec.
6	Weight of the detector should be less than 5 kg	The weight of the detector is less than 5Kg.
7	The wireless detector must have a lithium-ion battery that allows more than 200 thorax exposures per recharge On a single battery	The wireless detector has a lithium-ion battery that allows ≥200 thorax exposures per battery charge. On a single battery.
D	**Battery:**	
1	The machine should be able to run on mains. The system should allow at least 150 thorax exposures per battery recharge	The offered unit is operable on mains, 1-Phase 230V (AC-supply) 50/60 Hz, ±10%. The system allows up to 150 exposures per battery recharge. (Better specs)
2	The unit should have separate batteries for driving the unit and generator	The unit has separate batteries for driving the unit and generator.
3	The battery should be able to be charged from a normal 15A, 220 – 240 V single phase socket in less than 6 hours, should be capable of generating at least 100 exposure	The battery can be charged from a normal 15A, 220-240 V single phase socket in 8 hours, and capable of generating up to 150 exposures.
E	**Inbuilt Console:**	
1	The machine should have an integrated / inbuilt console with a TFT touch screen with size at least 18.5 inches or more.	The machine has an integrated/ inbuilt console with a TFT touch screen with a size of 18.5 inches.
2	The console should be able to view the image, and provide post processing features,using touch screen.	The console can be used to view the image, and provide post processing features, using touch screen.
3	The post processing features should include zoom, contrast and brightness adjustment etc.	The post processing features include zoom, contrast and brightness adjustment etc.
4	It should have storage memory of at least 3000 images.	It has storage memory of >3,000 images. (Better specs)
5	The software console should be able to control exposure parameters, generator setting, image processing patient data entry, study selection, printing and Dicom send.Separate consoles are not acceptable.	The software console can control exposure parameters, generator setting, image processing patient data entry, study selection, printing and DICOM send. Noted well & acceptable to us.
F	**Other Features:**	
1	The unit must have an effective braking system for parking, transport and emergency braking. The tube stand must be fully counter balanced with rotation in all directions.	The unit has an effective braking system for parking, transport and emergency braking. The tube stand is fully counter balanced with rotation in all directions.
2	The unit should have manual over ride and manual drive system incase of fail of battery power to atleast park in a safe postion	The unit has manual override and manual drive system in case of fail of battery power to at least park in a safe position.

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3	It must have a telescopic / articulated arm for maximum positioning flexibility in any patient position. The angles in various planes to be specified by the manufacturer. The cables should preferably be concealed / conduit in the arm system	The offered unit has telescopic arm for maximum positioning flexibility in any patient position. Vertical Travel 1460mm Tube Rotation on Horizontal Axis: ±180° Tube Rotation around Tube Axis: +90º, - 20º (110º) Column Rotation: ±315º The cables are conduit in the arm system.
4	The facility for exposures with remote control/ detachable exposure switch should be possible.	The facility for exposures with IR remote control & detachable exposure switch is possible.
5	Detachable exposure switch should be supplied with a chord of at least 5 meters.	As mentioned in point no. 4 01 No. Detachable exposure switch is supplied with a cord of length 5 meters.
6	A grid of 6:1 ratio with size 17"x17" should be supplied.	A grid of ≥6:1 ratio with the detector size 17"x17" is provided. (Better specs)
7	The system should have European CE (Full Quality assurance, MDD 93/42/EEC) and US FDA approval/CDSCO/BIS.	The offered Unit is European CE Certified having Notified body number registered in European Commission.
8	The system offered should have AERB Type approval / NOC for installation and use in India	Offered unit is AERB approved (Atomic Energy Regulatory Board)
G	**Connectivity:**	
	The machine should be fully network ready and it should be possible to transfer images and patient data from and to hospital network using LAN connectivity or wireless LAN.	The machine is fully network ready and it is possible to transfer images and patient data from one end to the hospital network using LAN connectivity.
H	**Power Line Connection**	
	The unit should be able to operate on single phase power supply with plug in facility to any standard wall outlet with automatic adaptation to line voltage 200 to 240 volts, 15 Amp plug.	The offered unit is operable on 1-Phase power supply with plug in facility to any standard wall outlet with automatic adaptation to line voltage 230V (AC-supply) 50/60 Hz, ±10%, 15 Amp plug.
I	Dry Imager with 500 dpi resolution or more with 2 universal trays to print films.	01 No. Dry Imager printer with 500 dpi resolution with 2 universal trays to print films is provided.
J	Guarantee / Warranty: the whole unit including x-ray tube, detector all other accessories, batteries and consumables required to run this unit should be guaranteed for five years.	The offered is comprehensively warranted for 05 years including all components.
K	C.M.C: After expiry of guarantee/ warranty, CMC should be for five years which includes x-ray tube, detector all other accessories, batteries and consumables(Films) required to run this unit.	Prices of CMC for 05 years are quoted after expiry of warranty period on chargeable basis.
L	Retrofitted or refurbished units are not acceptable	Noted well & acceptable to us.

CPAP/BIPAP Machine or Non Invasive BIPAP Ventilator:

S. No.	Item Description	Our Compliance
		Make: RESMED
		Model: STELLAR 150
	NIV for adults and pediatrics.	Yes
	Light weight, small, user friendly and quiet device.	Yes
	Should have the following modes.: CPAP, S,T, ST, VAPS	Yes
	Should incorporate latest algorithms for leak compensation and synchronization.	Yes

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Direct

	Should have color screen size more than 2 inch for real time monitoring of minute volume/ tidal volume, respiratory rate, percentage of leak, I:E ratio, Delivered IPAP and EPAP.	Yes
	Should include alarms for leak, power supply failure, apnea, patient circuit disconnection, occlusion, low internal battery etc. and should have adjustable alarms for minute volume, high/low pressure, RR, apnea.	Yes
	Should provide and maintain optimal humidification at patient desired temperature regardless of ambient humidity changes throughout night.	Yes
	Pressure range: IPAP-4/ 2-40 cm H2O, EPAP-2/4-25cm H2O.	Yes
	Pressure support 0-30cmH2O.	Yes
	Respiratory rate 5-40bpm or more.	Yes
	Rise time upto 600msec.	Yes
	Inspiratory time upto 3sec or more.	Yes
	Flow/ auto trigger and cycle settings.	Yes
	Air outlet should be 22mm taper compatible with ISO 5356-1:2004.	Yes
	Should have color screen size more than 2 inch for real time monitoring of minute volume/ tidal volume, respiratory rate, percentage of leak, I:E ratio, Delivered IPAP and EPAP.	Yes
	Should have built in internal battery for minimum 1 hrs of back up and should have capability to add optional external battery	Yes
	NIV ventilator to be supplied with Reusable mask Medium size (1 Pcs), Power supply, Air inlet filters, 22 mm Circuit tube	Yes
	Power supply input 100-240v ac.	Yes
	The system should have CE/US FDA/CDSCO/BIS. Copy of the certificate / test report shall be produced along with the technical bid.	Yes

Protable Ultrasound system

S. No.	Item Description	Our Compliance
		Make: FUJIFILM Sonosite Model: EDGE II
1	01 Unit should be able to give very high image quality Yes, with advanced technologies like compound imaging with at least 5 sights of lines for better contrast resolution tissue differentiation and edge detection, equivalent to high end cart-based systems. Please specify the technology	Yes, SonoMB software technology available for better image quality.
2	System should be able to support speckle reduction image for better tissue differentiation and edge enhancement. Please specify the technology.	Yes, SonoMB software technology available for reducing speckle noise and other image artifacts while preserving and sharpening tissue information.
3	System shall have the ability to enhance tissue margins and improve contrast resolution by reducing artefacts and improving visualization of texture patterns & needle up with in the image, please specify the technology.	yes, SonoHD2 & Steep Needle Profiling (SNP) software technologied available for tissue optimization and better needle visualization.
4	System should have both (Read) as well as offline (Write) zoom facility.	Yes complied
5	Imaging modes of Real time 2D Color DopplerPower Doppler must be available.	Yes complied
6	System must have fast start up to Scanning in less than 30 seconds from off condition for use in critical and emergency situation.	Yes, fast boot up to scanning in less than 25 seconds available.
7	System should support transducer technologies like convex, linear, hockey stick shape liner, high frequency linear advance etc.	Yes, system supports all the required transducer technologies.
8	Cine memory on all modes	
	[illegible] should have maximum scanning depth of 30 cm or more.	Yes complied
10	The system must have vascular calculations package and other.	yes available
11	The unit must be compact, portable and lightweight weighing less than 4 kg.	Yes, the unit is compact, portable and lightweight weighing just 4.1 kg including battery.

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Director

12	Unit must be study, resistant to breakage & damage on fall/ hit against the wall or hand surface for in and out of the hospital use.	Yes, unit and standard transducers are 3 feet drop tested. Drop test certificate attached.
13	Flat LCD/TFT monitor of at least 12 inches with flicker free image.	Yes, 12.1 inches flat LCD monitor with flicker free image available.
14	Alphanumeric soft keys keyboard with easy access scans controls, facility to sanitize the system. keyboard to avoid cross contamination.	Yes complied
15	The system must have the ability to function by AC/DC or battery power with the same degree of functionality, the battery life (run time) shall be atleast 2 (two) hours, this need to be demonstrated.	Yes complied
16	The system musts have achieved capability for storage and retrieval of images and clips data.	Yes, 16 GB inbuilt flash memory available for storage and retrieval pf image and clips data.
17	Data transfer facility should be available as standard to transfer images etc., easily onto another system/computer etc.	Yes, 2 USB ports available as standard for data transfer easily onto another system / computer etc.,
18	System should have software for Enhanced Needle Visualization to tract the needle clearly at steep angles during the procedure while maintaining striking image quality of the target structures and the surrounding anatomy with dimple on/off functionality. The facility should be available on both High frequency Linear and Curvilinear probes for superficial as well as deeper blocks.	Yes, Steep Needle Profiling (SNP) software technology available on both High frequency Linear and Curvilinear probes for superficial as well as deeper blocks.
19	The system shall support all DICOM functionality storage, Print and work list also ready to connect to PACS.	Yes complied
20	20 In case of failure of system, it should be made functions within 7 days, if delayed the additional period of time taken to be added to the warranty/ CMC period.	Yes complied
21	The equipment should be mountable on trolley & Yes complied locking mechanism should be inbuilt into the trolley for safety & security of the system.	Yes complied
22	System configured application specific educational video tutorials should be provided as standard with the system.	Yes complied
23	System should have to ability to sanitize the Keyboard and screen to control infection patient to patient.	Yes, the system is ability to sanitize as keypad silicone sealed to the edge to inhibit liquid ingress with low profile keys for easy cleaning.
24	Fast bootup time less than 30 seconds.	Yes, fast boot up time less than 25 seconds available.
25	Standard probes should be drop tested. Certificate to be attached by OEM.	Yes, 3 feet drop tested.
26	Three transducers to be supplied as standard: 1. 6-13 MHz Linear broadband probe. 2. 3-5 MHz Convex probe with 14-15 cm 3. 1-5 MHz phased array probe	1. Yes, model HFL38xi high frequency linear broadband probe with frequency range of 6-13 MHz provided. 2. Yes, model rC60xi convex probe with frequency range of 2-5 MHz provided. 3. Yes, model rP19x phased array probe with frequency range of 1-5 MHz provided.
27	Machine & Probe should completely sanitizable & Yes complied should not have leakage issues	Yes complied
28	The offered system should be BIS/USFDA certified/European CE certified, and certificate should be provided and all components of machine including trolley should be from same OEM, Machine and probe should he supplied with five years ofwarranty and five years of CMC post warranty.	Yes, USFDA & European CE quality certified. Certificates attached. Five years warranty and Five years CMC post warranty on both machine and probes.
29	The system should be supplied with 1. Mobile cart with transducer holder 2. TTC (Triple Transducer Connector capability to connect three transducers)	yes provided

Glucometer

S. No.	Item Description	Our Compliance
		Make: ARKRAY/HD Biosensor/Abbott/Equivalent

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Direct

1	Enzyme Glucose Dehydregenase-FAD biosensor	Full Compliance
2	Measurement Range 10 - 600mg/dL (0.6 - 33.3 mmol/L)	Full Compliance
3	Test Time 5 sec	Full Compliance
4	Sample Volume less than 0.6 µl	Full Compliance
5	Hematocrit 0 - 70% • Unit mg/dL	Full Compliance
6	Memory Up to 500 tests	Full Compliance
7	Battery 3V battery (CR2032)	Full Compliance
8	CDSCO Certification	Full Compliance
9	Accuracy must meet ISO-15197 standard,	Full Compliance
10	Must be supply with 200 test strips with lancet	Full Compliance

ICU Ventilator -High End

S. No.	Item Description	Our Compliance
		Make: Hamilton
		Model: Hamilton C3
	Should be a microprocessor controlled ventilator with inbuilt turbine in 12" or more color TFT / LCD touchscreen screen with or without Rotary knob with integrated graphics providing support to Adult Pediatric patient range must be supplied along with attached trolley from the same manufacturer.	Yes Comply
	Should have enhanced invasive and noninvasive ventilation based on both pressure and volume.	Yes Comply
	Should have battery backup of minimum 2 hours minutes for both ventilator & Turbine.	Yes Comply
	Graphical Display (Digital and Wave Form) :	
	Pressure vs. Time.	Yes Comply
	Volume vs. Time.	Yes Comply
	Flow vs. Time.	Yes Comply
	Pressure - Volume Loop.	Yes Comply
	Flow — Volume Loop.	Yes Comply
	Modes (Breath Delivery):	
	V—CMV (V = Volume).	Yes Comply
	V—SIMV.	Yes Comply
	Spontaneous.	Yes Comply
	P—CMV (P = Pressure).	Yes Comply
	P—SIMV.	Yes Comply
	APRV / Biphasic.	Yes Comply
	PRVC/ Equivalent	Yes Comply
	BIPAP/PEEP/Bivent.	Yes Comply
	NIV.	Yes Comply
	CPAP.	Yes Comply
	ASV/NAVA/PAV or Equivalent	Yes Comply
	APNEA Back—Up.	
	Adjustment for (User Selective Parameters)	
	Respiratory Rate : 2 — 60 BPM and above.	Yes Comply
	Tidal Volume : 20 ml — 2000 ml.	
		Yes Comply
	Pressure Limiting.	Yes Comply
	Pressure Support Ventilation.	Yes Comply
	Peak Flow Setting: 3 — 180 LPM or better.	Yes Comply
	I:E Ratios: 1:4-4:1.	Yes Comply
	Plateau (Inspiratory Pause) User Selectable.	Yes Comply

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Direct

	Oxygen Concentration (FiO2) Setting (21 — 100%).	Yes Comply
	Rise Time Setting : Fast, Medium and Slow (Desirable).	Yes Comply
	Automatic Exhalation Sensitivity (Desirable).	Yes Comply
	Triggering:	Yes Comply
	FLOW / Pressure Triggering 1-20 cm H20	Yes Comply
	Sigh :	Yes Comply
	User definned volume or pressure based sighs.	Yes Comply
	User defined frequency and multiple sigh.	Yes Comply
	Monitoring : True Data to show : Waveform and Digital Display	Yes Comply
	Peak Pressure.	Yes Comply
	Mean Airway Pressure.	Yes Comply
	Plateau Pressure.	Yes Comply
	PEEP.	Yes Comply
	Exhaled Tidal Volume.	Yes Comply
	Exhaled Minute Ventilation.	Yes Comply
	Respiratory Rate.	Yes Comply
	Expiratory & Inspiratory Resistance.	Yes Comply
	Static and Dynamic Compliance.	Yes Comply
	Delivered F IO2.	Yes Comply
	Automatic Leak Adjustment.	Yes Comply
	RSBI.	Yes Comply
	Auto-PEEP.	Yes Comply
	Safety Alarm : Visual and Auditory.	Yes Comply
	Pressure High / Low.	Yes Comply
	Rate High / Low.	Yes Comply
	Expired Minute Volume.	Yes Comply
	High / Low Tidal Volume.	Yes Comply
	Volume Limit.	Yes Comply
	FiO2 % High / Low.	Yes Comply
	Apnea.	Yes Comply
	Disconnection.	Yes Comply
	Flow Sensor.	Yes Comply
	O2 Supply (Low).	Yes Comply
	Air Supply (Low).	Yes Comply
	Percentage Leak.	Yes Comply
	Pipeline Pressure Failure.	Yes Comply
	Power Failure.	Yes Comply
	Additional Features:	Yes Comply
	Manual Breath.	Yes Comply
	Inspiratory Hold.	Yes Comply
	Expiratory Hold.	Yes Comply
	VolumetricCapnography.	Yes Comply
	Apnea Backup Ventilation.	Yes Comply
	Lung protective tools for lungs recruitment.	Yes Comply
	Humidification	Yes Comply
	Servo controlled Humidifier with temperature probe with reusable chamber	Yes Comply
	Simultaneous humidity and temperature monitoring.	Yes Comply
	Audio or Visual indicator alarms of adverse condition.	Yes Comply
	Display relative humidity on patient side.	Yes Comply
	Temperature measures on both chamber and patient side.	Yes Comply
	Prevention of overheating condition, turns off automatically	Yes Comply
	Each system will be supplied one temperature and one humidity probe.	Yes Comply
	Essential Accessories supplied along with each ventilator:	Yes Comply
	Reusable Expiratory valve (If required for the ventilator) should be covered under warranty	Yes Comply

For MEDEX INDIA (P) LTD

Direct

	Oxygen Sensor are covered under warranty	Yes Comply
	Reusable Flow sensor :- 4 Nos. Each size (Adult & Pediatric).	Yes Comply
	PM Kit :- 2 Nos. Each (for Ventilator & Turbine).	Yes Comply
	Air(if Applicable) & Oxygen Hose with Adopters :- 1 No. Each.	Yes Comply
	Adult & Pediatric Disposable Humidifier chamber and heating element integrated	Yes Comply
	to breathing circuits supplied with the system 1- 3 Nos.	Yes Comply
	5 Nos. of NIV Masks Non-Vented :— 3 -Medium, 2- Small.	Yes Comply
	Nebulizer with Vibrating mesh technology :- 1no	Yes Comply
	The Ventilator should be supplied with the inbuilt Turbine for air source of same make.	Yes Comply
	Should BE HL7 Compliant & can connect to HMIS open architecture for interfaceing cost to be bourne by the supplier.	Yes Comply
	Accessories	Yes Comply
	Test Lung :-5 No. Adult & 5 nos of Pediatric Size with the entire lot.	Yes Comply
	Additional Mandatory Feature	Yes Comply
	High Flow oxygen nasal therapy with 5 sets of all required consumables .	Yes Comply
	Should have facility to lung protective modes like ASV/ PAV or Equivalent	Yes Comply
	Power Supply :	Yes Comply
	Power input to be 220 — 240 VAC, 50 Hz	Yes Comply
	Fitted with Indian plug & only one Power input cable must be there for ventilator & compressor	Yes Comply
	Resettable "Over Current Protector" should be fitted for protection of the system	Yes Comply
	Should have facility to lung protective modes like ASV/ PAV or Equivalent	Yes Comply
	Should have battery backup of minimum 2 hours minutes for both ventilator & Turbine .	Yes Comply
	Standards, Safety and Training :	Yes Comply
	Should be FDA /CE/ UL / BIS / CDSCO / ISO13485 approved product	Yes Comply
	Comprehensive training for lab staff & support services till familiarity with the system.	Yes Comply
	Electrical safety conforms to standards for electrical safety IEC 60601-1 (Or equivalent international / National Standard) general requirement for Electrical safety of Medical equipment.	Yes Comply
	Documentation :	Yes Comply
	User / Technical / Maintenance manuals to be supplied in English.'	Yes Comply
	Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.	Yes Comply
	Cost of spare parts, consumables & accessories which are not covered under warranty & CMC period has to quote in schedule XI as percentage value in the Technical Bid, or else will be consider to be cover throughout the warranty & CMC period.	Yes Comply
	Calibration and routine Preventive Maintenance Support as per manufacturer documentation in service / technical manual has to be done throughout the warranty & CMC period	Yes Comply
	Compliance report to be submitted in a tabulated and point wise manner clearly mentioning the page / Para number of original catalogue / data sheet and the offer details has to submit in the technical bid. Any point, if not substantiated with authenticated catalogue / manual, will not be considered.	Yes Comply
	Ceitificate of inspection and quality control indicating the S / N for all non-consumable items with date at the time of installation.	Yes Comply
	Environmental Factors :	Yes Comply
	Shall meet IEC—60601—1—2:2001 (Or Equivalent BIS) General Requirements of safety for Electromagnetic Compatibility or should	Yes Comply
	comply with 89 / 366 / ECC; EMC—Directive.	Yes Comply
	The unit shall be capable of operating continuously in ambient temperature of 30-40 deg C and relative humidity of 15 - 90 %.	Yes Comply
	The unit shall be capable of being stored continuously in ambient temperature of 10-50 deg C and relative humidity of 15 - 90 %.	Yes Comply
	Warranty and Maintenance:	Yes Comply
	Warranty for 5 years followed by CMC for 5 years including Spares & service.	Yes Comply
	Mandatory PM with unlimited breakdown calls has to be attended by the bidder/ manufacturer through out the warranty & CMC period at site i.e. NEIGRIHMS,Shillong.	Yes Comply
	Duly Signed Mandatory PM Reports has to be submitted periodically, falling which necessary action will be initiated as per term& condition of the tender.	Yes Comply

For MEDEX INDIA (P) LTD

Direct

ICU Ventilator -Mid End

S. No.	Item Description	Our Compliance
		Make: Hamilton
		Model: Hamilton C1
	1. Should be a microprocessor-controlled ventilator with inbuilt 8.5" color TFT screen or more, integrated graphics and easy to use rotary knob operation providing support to Peadiatric to Adult Patient Category.	Yes Comply
	2. Ventilator should have only internal air supply turbine technology, External Compressor technology not accepted	Yes Comply
	3. The Ventilator should be able to run on Low Flow Oxygen so that patient can be transported intra hospital	Yes Comply
	4. Ventilator must have followed ventilation mode	Yes Comply
	a. VCMV,	Yes Comply
	b. VSIMV,	Yes Comply
	c. V CPAP (Volume support CPAP)	Yes Comply
	d. PCMV,	Yes Comply
	e. PSIMV,	Yes Comply
	f. CPAP with Pressure support or spont	Yes Comply
	g. APV / PRVC / PCVG CMV / MMV equivalent	Yes Comply
	h. APV SIMV/PRVC SIMV/ PCVG SIMV	Yes Comply
	i. NIV AND NIV -ST (Synchronized Non Invasive Mode) .	Yes Comply
	5. Ventilator Must have Proximal flow sensor technology for precise delivery and monitoring parameter, also help to minimize work of breathing.	Yes Comply
	6. Ventilator Must have smart alarm management on screen help.	Yes Comply
	7. Ventilator must have humidifier and can control and monitor humidifier all parameters	Yes Comply
	8. Humidifier must have followed mode.	Yes Comply
	a. INV	Yes Comply
	b. NIV	Yes Comply
	d. Manual temperature control mode	Yes Comply
	e. Auto Temperature control mode	Yes Comply
	f. Expiratory over heat to minimize water condensation Mode.	Yes Comply
	9. Humidifier must have display for all monitoring parameter and alarm for easy to use.	Yes Comply
	10.Humidifier must have display for all monitoring parameter and alarm for easy to use.	Yes Comply
	11. Apnea Back-up and any other mode for safe ventilations offering both volume guarantee & lung protective strategies like volume limit etc.	Yes Comply
	12. Controls: Tidal volume minimum 20 ml to 2000 ml in Volume Control Mode or better	Yes Comply
	13. Respiratory rates 4 to 80 BPM or better,	Yes Comply
	14. Peak flow setting from 0 to 40 lpm or better .	Yes Comply
	15. Ventilator should have flow trigger 1 Lpm - 20n Lpm	Yes Comply
	16. PEEP : 0 to 35 cm H2O or better. 18. FiO2 : 21 to 100 %.	Yes Comply
	19. I:E ratio 1:9 to 4:1 (DuoPAP/BiPAP/BiPhasic 1:9 to 4:1)	Yes Comply
	20. Inspiratory time (TI) 0.1 to 12 s	Yes Comply
	22. Pressure support 0 to 60 cmH2O, added to PEEP/CPAP	Yes Comply
	23. Pressure ramp 25 to 200 ms	Yes Comply
	24. Expiratory trigger sensitivity (ETS) 5 to 70 % of inspiratory peak flow	Yes Comply
	25. Should have facility of Manual breath, standby, apnea backup ventilation, inspiratory hold, expiratory hold, suctioning tool, start-up over body height and IBW.	Yes Comply

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Direct

	26. Point Deleted	
	27. Alarms : low/high Minute Volume , Low/high Pressure, Low/high tidal volume, low/high Rate ,	Yes Comply
	Apnea time, low/high oxygen, Oxygen concentration, disconnection, loss of PEEP, exhalation obstruction, flow sensor, power supply, batteries, gas supply.	Yes Comply
	28. Should have Graphic display of target and actual parameters for tidal volume, frequency, pressure, and minute ventilation	Yes Comply
	29. Should have Real-time waveforms Paw, Flow, Volume.	Yes Comply
	30. Should have both graphical & tabular trends for minimum of 1h, 6h, 12h, 72 h with 1 minute resolution.	Yes Comply
	31. Ventilator should work on High pressure as well as low pressure oxygen supply .	Yes Comply
	32. Internal rechargeable battery with minimum operating time of at least 2 hours full system including Air supply source.	Yes Comply
	33. Ventilator should light weight less than 9 –10 Kg and also detachable from trolley without any tools, during intra hospital transport	Yes Comply
	34. Ventilator should have option to upgrade for volumetric CO2 monitoring facility.	Yes Comply
	35. Ventilator should have option to upgrade for SPO2 monitoring facility.	Yes Comply
	36. Should have interface connectors USB & RJ 45 as standard.	Yes Comply
	37. Ventilator should have certifications like US FDA /European CE/CDSCO licences of manufacture.	Yes Comply
	Each ventilator should have supply following accessories: Standard accessories:	Yes Comply
	· Ventilator Mobile trolley.	Yes Comply
	· Operating manual	Yes Comply
	· Ventilator with all function as per specification.	Yes Comply
	· Tubing Holder Set	Yes Comply
	· Flow sensor :-10 nos.	Yes Comply
	· Servo control heated humidifier with all accessories	Yes Comply
	· Test lung-1 no	Yes Comply
	· Oxygen hose	Yes Comply
	· Power cable	Yes Comply
	· Expiratoy cassette /valve 6 nos disposable and 2 nos autoclavable .	Yes Comply
	· Humidifier-1 nos	Yes Comply
	· Adult Heated Circuit:-5 nos	Yes Comply
	· NIV mask -5nos	Yes Comply
	· Nebulizer -1no	Yes Comply
	38. Warranty 5 Years	Yes Comply

Electronic Adult Weighing Scale (Platform Type)

S. No.	Item Description	Our Compliance Make: Omron/Dolphy/Equivalent
1	Capacity : 160 kg	Full Compliance
2	Accuracy : 100 g	Full Compliance
3	Platter Size : 350 mm x 300 mm (Tolerance +/- 10%)	Full Compliance
4	The scale should be made up of heavy duty. Cast iron structure Platform with powder coated frames.	Full Compliance
5	The Electronic Adult Weighing Scale should incorporate following features	Full Compliance
6	Display: LED / LCD : 5 digit with min. height 14 mm.	Full Compliance
7	TARE facility with zero function.	Full Compliance
8	The Scale should have inbuilt rechargeable battery backup for minimum of 8 hrs.	Full Compliance
9	Should operate on mains 220-240Vac, 50 Hz single phase.	Full Compliance

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Direct

10	The Scale should be as per BIS specifications. The scale should have ISI mark.	Full Compliance
11	The display stand height shall be 80cm(Tolerance +/- 10%) from the platform.	Full Compliance
12	The equipment shall be supplied with valid stamping from Weight and Measures. The stamping shall be done free of cost during the warranty period and the CAMC rates offered shall include the stamping charges.	Full Compliance
13	The tenderer shall have valid sales and service license for Weighing Machines from Legal Metrology.	Full Compliance

Electronic Weighing Scale for wheel chair

S. No.	Item Description	Our Compliance Make: Mehtab Electronics Pvt Ltd/Milton Instruments/Equivalent
1	Capacity : 300-500 kg	Full Compliance
2	Accuracy : 100 g	Full Compliance
3	Platter Size : 350 mm x 300 mm (Tolerance +/- 10%)	Full Compliance
4	The scale should be made up of heavy duty. Cast iron structure Platform with powder coated frames.	Full Compliance
5	The Electronic Adult Weighing Scale should incorporate following features for user-friendly convenience.	Full Compliance
6	Display: LED / LCD : 5 digit with min. height 14 mm.	Full Compliance
7	TARE facility with zero function.	Full Compliance
8	The Scale should have inbuilt rechargeable battery backup for minimum of 8 hrs.	Full Compliance
9	Should operate on mains 220-240Vac, 50 Hz single phase.	Full Compliance
10	The Scale should be as per BIS specifications. The scale should have ISI mark.	Full Compliance
11	The display stand height shall be 80cm(Tolerance +/- 10%) from the platform.	Full Compliance
12	The equipment shall be supplied with valid stamping from Weight and Measures. The stamping shall be done free of cost during the warranty period and the CAMC rates offered shall include the stamping charges.	Full Compliance
13	The tenderer shall have valid sales and service license for Weighing Machines from Legal Metrology.	Full Compliance

Direct Ophthalmoscope

Sl. No	Technical Specification	Compliance Make: Heine/Keeler/Welch allyn/Equivalent
1	Should be rechargeable battery with Charger.	Full Compliance
2	Should have halogen / LED light source	Full Compliance
3	Should have red-free filters	Full Compliance
4	Should have small and large spot sizes, fixation targets, slit aperture, and cobalt blue filter.	Full Compliance
5	Should have wheel control with lens powers ranging from -25D to +40D in single dioptre steps up to 10D and 5D steps above that.	Full Compliance
6	Should have illuminated lens dial.	Full Compliance
7	Should have rubber brow rest.	Full Compliance
8	Should have dust free optics and a spherical optical system.	Full Compliance
9	Should be supplied with a carrying case.	Full Compliance
10	If halogen lamp is used, then the following additional accessories should be supplied a. Bulb – 2 no	Full Compliance

For MEDEX INDIA (P) LTD

Direct

Non Contact Infrared Thermometer

Sl. No	Technical Specification	Compliance Make: Indosurgicals/Beurer/Accusure/Equivalent
1	Should be hand held digital non contact Infrared Medical Thermometer for measuring human body temperature.	Full Compliance
2	Should be gun type with trigger / button for operation.	Full Compliance
3	Body Material of IR Thermometer should be made of ABS	Full Compliance
4	Temperature display unit should be Degree Celsius and degree Fahrenheit, with interchangeable modes	Full Compliance
5	Measuring site : Forehead	Full Compliance
6	Measuring range : 32oC (89.6oF) or lower to 42oC (109.4oF) or higher (±0.2 degree tolerance for lower and upper limit)	Full Compliance
7	Accuracy of measurement ±0.2 degree Celsius or Fahrenheit or better	Full Compliance
8	Display resolution : 0.1oC/0.1oF	Full Compliance
9	Measuring distance is 5 Cm or better	Full Compliance
10	LCD display with back light. Display size: 3.5 Cm or more	Full Compliance
11	Should have auto shut down feature when not in use.	Full Compliance
12	Audible alarm for higher temperature (fever).	Full Compliance
13	Different back light colours to differentiate between normal and higher temperature.	Full Compliance
14	Should have auto hold function for the last measured temperature.	Full Compliance
15	Should use non rechargeable AA or AAA battery	Full Compliance
16	Should use non rechargeable AA or AAA battery	Full Compliance
17	Suitable Alkaline battery required for operating the unit shall be supplied along with each IR thermometer	Full Compliance
18	The manufacturer should be ISO 13485 certified	Full Compliance
19	Replacement warranty for one year shall be provided from the date of supply of material.	Full Compliance
20	The manufacturer should have calibration certificate.	Full Compliance
21	SPECIAL TERMS AND CONDITIONS FOR INFRARED MEDICAL THERMOMETER FOR MEASURING BODY TEMPERATURE	Full Compliance
a	The manufacturer / seller / supplier shall fulfil / comply all the requirements under the Legal Metrology Act, 2009 and Rules made there under.	Full Compliance
b	The importer of Infrared Thermometer shall be registered under section 19 of Legal Metrology Act, 2009 and Rules made there under.	Full Compliance
c	Model shall be approved under Section 22 of Legal Metrology Act, 2009 and Rules made there under.	Full Compliance
d	Manufacturer or Seller of Infrared Thermometer shall have valid license issued by the Controller under Section 23 of Legal Metrology Act, 2009 and Rules made there under.	Full Compliance
e	Dealer shall hold valid dealership license under the provisions of Legal Metrology Act, 2009 and Rules made there under.	Full Compliance
f	Manufacturer, Packer and Importer shall be registered under the provisions of Rule 27 of Legal Metrology (Packaged Commodities) Rules, 2011 as amended till date.	Full Compliance
g	Declarations shall be made on every package in accordance with Rule 6 of Legal Metrology (Packaged Commodities) Rules, 2011 as amended till date.	Full Compliance

LARYNGOSCOPE & BLADES

Sl. No	Technical Specification	Compliance Make: Indosurgicals/Narang Medical/MIN Life care products/Anaesthetics India Private Limited/Equivalent
1	Rechargeable, fiber optic laryngoscope	
2	Wall mounting bracket for charger	Full Compliance
[illegible]	[illegible]	[illegible]
4	Soppier blade, size 1	Full Compliance
5	Two handles with each set standard and penlight	Full Compliance
6	Consumable Halogen Bulb – 3 Rechargeable cell – 2 sets	Full Compliance
7	BIS/CDSCO certified	Full Compliance
		Full Compliance

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BP INSTRUMENTS (SPHYGMOMANOMETER) –ANEROID TYPE

Sl. No	Technical Specification	Compliance Make: Romsons/BPL/Dimond/Equivalent
1	Should be aneroid type	Full Compliance
2	Should have isi mark	Full Compliance
3	Should have a measuring range from 0 to 300 hg	Full Compliance
4	Should be provided with adult arm cuffs of size medium and large and paediatric cuff	Full Compliance
5	The dial manometer markings and graduations should be permanent and clearly visible and filled with pigments, with minimum diameter of 160 mm	Full Compliance
6	Body & bezel – aluminium die casted (powder coated), screw top bezel	Full Compliance
7	Sending-corruagated phosphorous bronze twin capsule bellow	Full Compliance
8	Movement mechanism – brass	Full Compliance
9	Connection: brass, nickel plated for 3-4 mm rubber hose	Full Compliance
10	Dial-aluminium.	Full Compliance
11	Pointer-white coated, thin & sharp made of phosphorous bronze	Full Compliance
12	Window lenses- clear plastic	Full Compliance
13	All plastic parts, if any used, should not crack, flake, peel or disintegrate during normal use	Full Compliance
14	The inflating rubber bag should be capable of withstanding internal pressure of 450mmhg without leaking.	Full Compliance
15	The inflating bulb should be soft and should not have any joints on ridges	Full Compliance
16	The fastening arrangements of the cuff should be of hook and loop type	Full Compliance
17	The threading and fastening arrangement of the cuff should show no sign of slip on failure when subjected to the maximum test conditions	Full Compliance
18	The rubber tubes used should have an internal diameter of 3±0.5mm and the external diameter should not be less than 8mm	Full Compliance
19	The tubes should be fitted with male and female leur connectors	Full Compliance
20	Should provide a carry bag to keep the whole system safe and sound. All parts should be replaceable in case of breakage	Full Compliance
21	User/technical/maintenance manual to be supplied	Full Compliance
22	Should be supplied with	Full Compliance
	A) Infant with 4 cm width and 8 cm length b) Child with 9 cm width and 18 cm length c) Adolescent with 10 cm width and 24 cm length	Full Compliance
	All bidders should quote equipment/items with following approved standards/requirement:- All equipment should be CE (European)/UL or BIS certified. Manufacturers/Suppliers should have ISO certification for quality standards Comprehensive onsite warranty inclusive of all spares and labour for 5 years. Certificate of calibration and inspection. All Literature (Log Book/Maintenance Record/Troubleshooting/Operation Manuals etc.) Supplied with each of equipment by Principal Manufacturer should be in Original.	Full Compliance

AMBU BAG ADULT

Sl. No	Technical Specification	Compliance Make: Romsons/India Surgicals (P) Ltd./ products/Anaesthetics India Private Limited/Equivalent
1	Semi-transparent Resuscitator bag adult with face mask of size 5 deliver max. Tidal volume of approximate 1500 ml, the outer cover of bag should be 100 % latex free, with single shutter patient valve. The bag should be made of silicone rubber.	Full Compliance
2	It should have expiratory connector (for PEEP valve attachment): 30mm male (ISO).	Full Compliance

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3.	It should have hand strap ensures a good grip, which helps to reduce fatigue during manual ventilation. It should have single shutter valve. It should have double swivel mount at mask connector and bladder enable free moment of hands without disrupting manual ventilation. This valve impacts each stroke and retains oxygen level within reservoir bag.	Full Compliance
4.	Volume of oxygen reservoir bag is approx.. 1500ml.	Full Compliance
5	Resuscitators can be autoclaved repeatedly at 134 degree C.	Full Compliance
6	It should be BIS/CE/ISO/USFDA certified.	Full Compliance
	Ambu Bag Paediatric : Specification: 1. Rao's Silicon Child Resuscitator Weight: Upto 7 Kg to 20 Kg 2. Ventilation Bag Volume: 500 ml 3. Reservoir Bag Volume: 2600 ml 4. Mask Size: 0A (Circular Pedia Mask)	Full Compliance
	Ambu Bag Neonate Specification: 1. Rao's Silicon Resuscitator Weight: upto 7 Kg 2. Ventilation Bag volume 240 ml 3. Reservoir bag volume 600 ml 4. Mask Size :0 A (Circular Pedia Mask)	Full Compliance

STETHOSCOPE

Sl. No	Technical Specification	Compliance Make: Indosurgicals/Narang Medical/Dimond/Anaesthetics India Private Limited/Equivalent
	Combined Adult and Pediatric Aluminum anodized finished Chest piece.	Full Compliance
	Ultra-Sensitive Diaphragm for greater amplification.	Full Compliance
	Colour coordinated Non-Chill bell and Snap On. Ring to retain diaphragm for patient comfort.	Full Compliance
	Complete with an accessory case containing.	Full Compliance
	2 spare diaphragms and one set of ear tips.	Full Compliance
	Extra-thick tubing walls minimize extraneous noise.	Full Compliance
	Includes ID Tag. Should be CE & ISO Certified Three year warranty against any mfg. defect.	Full Compliance

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Direct